



Data Dictionary  
Version 6.4  
February 2024

Victorian State Trauma Registry & Victorian Orthopaedic Trauma Outcomes Registry



# CONTENTS

0	GENERAL METHODOLOGY AND INCLUSION CRITERIA .....	1
<b>1</b>	<b>PATIENT DETAILS/CONTACT.....</b>	<b>7</b>
1.1	PATIENT IDENTIFIER .....	7
1.2	SURNAME .....	8
1.3	GIVEN NAME.....	9
1.4	DATE OF BIRTH.....	10
1.5	SEX.....	11
1.6	ADDRESS 1.....	12
1.7	ADDRESS 2.....	13
1.8	SUBURB .....	14
1.9	STATE/COUNTRY .....	15
1.10	RESIDENTIAL POSTCODE .....	16
1.11	ARIA AND IRSAD.....	18
1.12	TELEPHONE .....	19
1.13	MOBILE PHONE.....	20
1.14	EMAIL.....	21
1.15	PREFERRED LANGUAGE .....	22
1.16	COMPENSABLE FUND .....	23
1.17	CO-MORBIDITIES .....	24
1.18	CCI CHARLSON COMORBIDITY INDEX.....	25
1.19	CONTACT RELATIONSHIP.....	26
1.20	CONTACT STATUS.....	27
<b>2</b>	<b>INJURY EVENT.....</b>	<b>28</b>
2.1	INJURY DATE .....	28
2.2	INJURY TIME .....	29
2.3	INJURY CAUSE .....	30
2.4	INJURY INTENT.....	31
2.5	INJURY ACTIVITY .....	32
2.6	INJURY PLACE .....	33
2.7	INJURY TYPE .....	34
2.8	ENTRAPMENT .....	35
2.9	ENTRAPMENT TIME .....	36
2.10	INJURY DETAILS.....	37
2.12	ANTICOAGULANT THERAPY .....	38
2.13	INJURY ADDRESS .....	40
2.14	INJURY POSTCODE.....	41
<b>3</b>	<b>AMBULANCE.....</b>	<b>43</b>
3.1	PCR CODE.....	43
3.2	AMBULANCE CASE NUMBER .....	44
3.3	AMBULANCE SERVICE .....	45
3.4	AMBULANCE TEAM/BRANCH NUMBER .....	46
3.5	AMBULANCE MODE OF TRANSPORT .....	47
3.6	MICA PARAMEDIC .....	48
3.7	TIME CRITICAL .....	49
3.8	AMBULANCE CALL RECEIVED TIME.....	50
3.9	FIRST AMBULANCE ARRIVAL AT LOCATION TIME .....	51
3.10	FIRST AMBULANCE ARRIVAL AT PATIENT TIME .....	52
3.11	TRANSPORTING AMBULANCE ARRIVAL AT PATIENT TIME.....	53
3.12	TRANSPORTING AMBULANCE SCENE DEPARTURE TIME .....	54
3.13	AMBULANCE AT DESTINATION TIME .....	55
3.14	AMBULANCE FIRST RECORDED PULSE .....	56
3.15	AMBULANCE FIRST RECORDED SYSTOLIC BLOOD PRESSURE.....	57
3.16	AMBULANCE SYSTOLIC BLOOD PRESSURE QUALITY INDICATOR .....	58
3.17	AMBULANCE FIRST RECORDED RESPIRATION RATE .....	59
3.18	AMBULANCE FIRST RECORDED OXYGEN SATURATION .....	60

3.19	AMBULANCE OXYGEN SATURATION QUALITY INDICATOR.....	61
3.20	AMBULANCE FIRST RECORDED GCS - EYE .....	62
3.21	AMBULANCE FIRST RECORDED GCS - VERBAL .....	63
3.22	AMBULANCE FIRST RECORDED GCS - MOTOR.....	64
3.23	AMBULANCE FIRST RECORDED GCS - QUALIFIER.....	65
3.24	AMBULANCE FIRST RECORDED GCS - TOTAL.....	66
3.25	ENDOTRACHEAL TUBE.....	67
3.26	DEFIBRILLATION.....	68
3.27	LARYNGEAL MASK .....	69
3.28	CHEST DECOMPRESSION .....	70
3.29	ADRENALINE.....	71
3.30	ANALGESIC.....	72
3.31	SEDATIVE .....	73
3.32	ANTIEMETIC.....	74
3.33	IV FLUIDS.....	75
3.34	NASO/ORO AIRWAY .....	76
3.35	CARDIOPULMONARY RESUSCITATION.....	77
3.36	PARALYSING AGENT.....	78
<b>4</b>	<b>ADMISSION.....</b>	<b>79</b>
4.1	ADMISSION IDENTIFIER .....	79
4.2	SERVICE LEVEL.....	80
4.3	HOSPITAL.....	81
4.4	MEDICAL RECORD NUMBER (UR) .....	82
4.5	ADMISSION NUMBER .....	83
4.6	ARRIVAL DATE/TIME.....	84
4.7	SOURCE .....	85
4.8	SOURCE OTHER.....	86
4.9	TRANSFER TYPE .....	87
4.10	REFERRAL HOSPITAL .....	88
4.11	HOSPITAL SERVICE.....	89
4.12	SERVICE SPECIFY .....	90
4.13	HOSPITAL AIR MODE OF TRANSPORT.....	91
4.14	TRAUMA TEAM ACTIVATION .....	92
4.15	TRIAGE CATEGORY .....	93
4.16	HOSPITAL FIRST RECORDED PULSE.....	94
4.17	HOSPITAL FIRST RECORDED SYSTOLIC BLOOD PRESSURE .....	95
4.18	HOSPITAL FIRST RECORDED RESPIRATION RATE .....	96
4.19	HOSPITAL FIRST RECORDED RESPIRATION RATE QUALIFIER.....	97
4.20	HOSPITAL FIRST RECORDED OXYGEN SATURATION.....	98
4.21	HOSPITAL FIRST RECORDED OXYGEN FRACTION.....	99
4.22	HOSPITAL FIRST RECORDED TEMPERATURE .....	100
4.23	HOSPITAL FIRST RECORDED PH .....	101
4.24	HOSPITAL FIRST RECORDED GCS - EYE.....	102
4.25	HOSPITAL FIRST RECORDED GCS - VERBAL .....	103
4.26	HOSPITAL FIRST RECORDED GCS - MOTOR.....	104
4.27	HOSPITAL FIRST RECORDED GCS - TOTAL .....	105
4.28	HOSPITAL FIRST RECORDED GCS - QUALIFIER .....	106
4.29	FIRST 24 HOURS INTUBATION.....	107
4.30	FIRST 24 HOURS INTUBATION DATE .....	108
4.31	FIRST 24 HOURS HEAD CT .....	109
4.32	FIRST 24 HOURS HEAD CT DATE .....	110
4.33	ALCOHOL TEST TYPE .....	111
4.34	ALCOHOL AMOUNT.....	112
4.35	DEPARTURE STATUS.....	113
4.36	DEPARTURE STATUS OTHER.....	114
4.38	DEPARTURE TIME .....	115
4.39	ICU LENGTH OF STAY .....	116
4.40	ICU GREATER THAN 24 HOURS_ICU HOURS .....	117
4.41	VENTILATED HOURS.....	118

4.42	BLOOD GIVEN AFTER 24 HOURS .....	119
4.43	PAEDIATRIC AIRWAY .....	120
4.44	PAEDIATRIC CNS.....	121
4.45	PAEDIATRIC CUTANEOUS.....	122
4.46	PAEDIATRIC SKELETAL INJURY.....	123
4.47	PAEDIATRIC WEIGHT .....	124
4.48	PAEDIATRIC BP .....	125
4.49	SERVICE RETRIEVAL OTHER (INACTIVE).....	126
4.50	VSTORM .....	127
4.51	MAJOR .....	128
4.52	VOTOR.....	129
4.53	CRG FILTER 1 NON-MTS TRANSFER .....	130
4.54	CRG FILTER 2 NON-MTS DEF CARE .....	131
4.55	CRG FILTER 3 TIME CRITICAL TRANSFER > 6 HOURS.....	132
4.56	CRG FILTER 4 MORE THAN 1 TRANSFER (INACTIVE).....	133
4.57	CRG SELECTED FOR PRESENTATION.....	135
4.58	CRG SELECTED FOR HEALTH SERVICE FEEDBACK.....	136
4.59	TAC CLAIM NUMBER (NOT AVAILABLE FOR DATA REQUESTS) .....	137
4.60	TAC CLAIM NUMBER STATUS (NOT AVAILABLE FOR DATA REQUESTS) .....	138
4.61	TAC CLAIM NUMBER STATUS DATE (NOT AVAILABLE FOR DATA REQUESTS) .....	139
<b>5</b>	<b>INJURIES.....</b>	<b>140</b>
5.1	AIS CODES AND DETAILED INJURY DESCRIPTIONS .....	140
5.2	AIS CODE .....	141
5.3	INJURY DESCRIPTION .....	142
5.4	ISS BODY REGION.....	143
5.5	INJURY SEVERITY SCORE (ISS).....	144
5.6	MAX AIS08 FOR AIS BODY REGION.....	145
<b>6</b>	<b>OPERATIONS AND PROCEDURES.....</b>	<b>146</b>
6.1	OPERATIONS OR PROCEDURES PERFORMED.....	146
6.2	OPERATION CODE.....	147
6.3	OPERATION START TIME .....	148
6.4	OPERATION FINISH TIME .....	149
6.5	OPERATION URGENT.....	150
6.6	OPERATION DESCRIPTION .....	151
<b>7</b>	<b>ICD-10-AM DIAGNOSES .....</b>	<b>152</b>
7.1	ICD-10-AM DIAGNOSES CODED FOR THIS ADMISSION.....	153
7.2	ICD-10-AM DIAGNOSIS CODE.....	154
7.3	DH PREFIX.....	155
<b>8</b>	<b>ACHI PROCEDURES.....</b>	<b>156</b>
8.1	ACHI PROCEDURES CODED FOR THIS ADMISSION.....	157
8.2	ACHI PROCEDURE CODE .....	158
8.3	IMPLANT .....	159
<b>9</b>	<b>DISCHARGE .....</b>	<b>160</b>
9.1	DISCHARGE DATE .....	160
9.3	DISCHARGE TYPE_ARRIVETODEATHDAYS.....	161
9.4	REHAB CENTRE .....	162
9.5	SPECIFY .....	164
9.6	HOSPITAL DISCHARGE GCS – TOTAL (NOT ACTIVE) .....	165
9.7	CORONER.....	166
9.8	FURTHER COMMENTS .....	167
<b>10</b>	<b>TRANSFER .....</b>	<b>168</b>
10.1	TRANSFER HOSPITAL .....	168
10.2	TRANSFER SERVICE.....	169
10.3	OTHER TRANSFER SERVICE .....	170

10.4	TRANSFER MODE OF TRANSPORT .....	171
10.5	OTHER TRANSFER MODE OF TRANSPORT .....	172
10.6	ARV ACTIVATION DATE TIME.....	173
10.7	ARV STABILITY (NOT AVAILABLE FOR DATA REQUESTS).....	174
10.8	ARV COMPLEXITY (NOT AVAILABLE FOR DATA REQUESTS) .....	175
10.9	ARV URGENCY (NOT AVAILABLE FOR DATA REQUESTS).....	176
10.10	ARV REMS (NOT AVAILABLE FOR DATA REQUESTS) .....	177
10.11	TRANSFER REASON .....	178
10.12	SPECIFY TRANSFER REASON.....	179
10.13	TRANSFER DATA AVAILABLE?.....	180
<b>11</b>	<b>TRAUMA SCORES .....</b>	<b>181</b>
11.1	INJURY SEVERITY SCORE (ISS) AND NISS.....	181
11.2	REVISED TRAUMA SCORE (RTS) .....	182
11.3	TRAUMA AND INJURY SEVERITY SCORE (TRISS).....	183
<b>12</b>	<b>POST-DISCHARGE CONTACT.....</b>	<b>184</b>
12.1	TYPE OF LETTER SENT.....	184
12.2	LETTER DATE .....	185
12.3	LETTER RETURNED.....	186
12.4	RE-SENT DATE .....	187
12.5	TYPE OF CONTACT.....	188
12.6	CONTACT DATE .....	189
12.7	CONTACT PERSON.....	190
12.8	REASON FOR CONTACT.....	191
12.9	DEATH DATE.....	192
12.10	NOTES .....	193
<b>13</b>	<b>PATIENT DEMOGRAPHICS.....</b>	<b>194</b>
13.1	WORKING/STUDYING PRIOR TO INJURY .....	194
13.2	OCCUPATION PRIOR TO INJURY .....	195
13.3	REASON NOT WORKING OR STUDYING .....	199
13.4	REASON NOT WORKING OR STUDYING (SPECIFY OTHER).....	200
13.5	CAPACITY OF WORK PRIOR TO INJURY.....	201
13.6	CAPACITY OF WORK PRIOR TO INJURY (SPECIFY OTHER) .....	202
13.7	LEVEL OF EDUCATION .....	203
13.8	LEVEL OF EDUCATION (SPECIFY) .....	204
13.9	MARITAL/RELATIONSHIP STATUS.....	205
<b>14</b>	<b>CONTACT ATTEMPTS.....</b>	<b>206</b>
14.1	DATE/TIME OF CONTACT ATTEMPT .....	207
14.2	RESCHEDULE DATE/TIME OF CONTACT ATTEMPT .....	208
14.3	CONTACT ATTEMPT NOTES .....	209
14.4	SUCCESSFUL CONTACT ATTEMPT_FOLLOW UP TYPE .....	210
14.5	REASON UNSUCCESSFUL .....	211
14.6	PATIENT STATUS .....	212
14.7	REASON PARTIAL.....	213
14.8	SPECIFY OTHER REASON .....	214
14.9	DEATH DATE.....	215
14.10	COMPLETION DATE .....	216
14.11	CONTACT PERSON.....	217
14.12	CONSENT FOR FURTHER INTERVIEWS .....	218
14.13	ADDITIONAL COMMENTS.....	219
14.14	ESCALATION TYPE .....	220
14.15	ESCALATION COMMENTS.....	221
<b>15</b>	<b>PATIENT INTERVIEW.....</b>	<b>222</b>
15.1	MARITAL/RELATIONSHIP STATUS .....	223
15.2	MARITAL/RELATIONSHIP STATUS .....	224
15.3	CURRENT RESIDENTIAL STATUS .....	225

15.4	CURRENT RESIDENTIAL STATUS (SPECIFY) .....	226
15.5	RETURN TO WORK .....	227
15.6	RETURN TO WORK (SAME ORGANISATION) .....	228
15.7	RETURN TO WORK (SAME ROLE) .....	229
<b>16</b>	<b>PAIN.....</b>	<b>230</b>
16.1	PAIN LEVEL .....	230
16.2	PAIN REGION.....	231
16.3	PAIN SIDE.....	232
<b>17</b>	<b>SF-12 HEALTH SURVEY - NOT ACTIVE.....</b>	<b>233</b>
17.1	SF1 .....	234
17.2	SF2 .....	234
17.3	SF3 .....	235
17.4	SF4 .....	235
17.5	SF5 .....	236
17.6	SF6 .....	236
17.7	SF7 .....	237
17.8	SF8 .....	237
17.9	SF9 .....	238
17.10	SF10 .....	238
17.11	SF11 .....	239
17.12	SF12 .....	239
17.13	SF12 MENTAL COMPONENT SUMMARY SCORE .....	240
17.14	SF12 PHYSICAL COMPONENT SUMMARY SCORE.....	240
<b>18</b>	<b>WHODAS.....</b>	<b>241</b>
18.1	WHODAS PROXY .....	242
18.2	WHODAS S1 .....	243
18.3	WHODAS S2 .....	244
18.4	WHODAS S3 .....	245
18.5	WHODAS S4 .....	246
18.6	WHODAS S5 .....	247
18.7	WHODAS S6 .....	248
18.8	WHODAS S7 .....	249
18.9	WHODAS S8 .....	250
18.10	WHODAS S9 .....	251
18.11	WHODAS S10 .....	252
18.12	WHODAS S11 .....	253
18.13	WHODAS S12 .....	254
18.14	WHODAS H1 – NOT ACTIVE.....	255
18.15	WHODAS H2 – NOT ACTIVE.....	256
18.16	WHODAS H3 – NOT ACTIVE.....	257
<b>19</b>	<b>GLOBAL OUTCOME ASSESSMENT/GLASGOW OUTCOME SCORE.....</b>	<b>258</b>
19.1	GBL1 (GLOBAL OUTCOME ASSESSMENT 1) .....	259
19.2	GBL2 (GLOBAL OUTCOME ASSESSMENT 2) .....	259
19.3	GOS1 .....	260
19.4	GOS2A.....	260
19.5	GOS2B.....	261
19.6	GOS2C.....	261
19.7	GOS3A.....	262
19.8	GOS3B.....	262
19.9	GOS4A.....	263
19.10	GOS4B.....	263
19.11	GOS5A.....	264
19.12	GOS5B.....	264
19.13	GOS5C.....	265
19.14	GOS6A.....	265
19.15	GOS6B.....	266

19.16	GOS6C.....	266
19.17	GOS7A.....	267
19.18	GOS7B.....	267
19.19	GOS7C.....	268
19.20	GOS8A.....	268
19.21	GOS8B.....	269
19.22	EPILEPSY MEDICATION.....	269
19.23	EPILEPTIC FITS.....	270
19.24	GOS OVERALL RATING.....	271
19.25	GOS-E OVERALL RATING.....	272
<b>20</b>	<b>EUROQOL 5D (EQ-5D™).....</b>	<b>273</b>
20.1	PROXY.....	274
20.2	MOBILITY.....	275
20.3	PERSONAL CARE.....	276
20.4	USUAL ACTIVITIES.....	277
20.5	PAIN/DISCOMFORT.....	278
20.6	ANXIETY/DEPRESSION.....	279
<b>21</b>	<b>PATIENT HEALTH STATE - CURRENT.....</b>	<b>280</b>
<b>22</b>	<b>PATIENT HEALTH STATE – PRIOR TO INJURY.....</b>	<b>280</b>
<b>23</b>	<b>PAEDIATRIC INTERVIEW.....</b>	<b>281</b>
23.1	PEDSQL INTERVIEWEE – NOT ACTIVE.....	281
23.2	PEDSQL VERSION 4.0 – NOT ACTIVE.....	282
23.3	PEDSQL VERSION 4.0 – NOT ACTIVE.....	283
23.4	PEDSQL VERSION 4.0 – NOT ACTIVE.....	284
23.5	KOSCHI.....	285
23.6	EUROQOL 5D (EQ-5D-Y).....	286
23.7	EQ-5D-Y INTERVIEWEE.....	286
23.8	EQ-5D-Y MOBILITY.....	287
23.9	EQ-5D-Y PERSONAL CARE.....	288
23.10	EQ-5D-Y USUAL ACTIVITIES.....	289
23.11	EQ-5D-Y PAIN/DISCOMFORT.....	290
23.12	EQ-5D-Y ANXIETY/DEPRESSION.....	291
<b>24</b>	<b>RESTORE FOLLOW UP – NOT ACTIVE.....</b>	<b>292</b>
<b>25</b>	<b>RESTORE PAIN – NOT ACTIVE.....</b>	<b>292</b>
25.1	PAIN LEVEL – NOT ACTIVE.....	293
25.2	PAIN REGION – NOT ACTIVE.....	294
25.3	PAIN SIDE – NOT ACTIVE.....	295
25.4	PAIN LIMIT – NOT ACTIVE.....	296
<b>26</b>	<b>RESTORE IMPACT OF EVENT SCALE – REVISED – NOT ACTIVE.....</b>	<b>297</b>
26.1	REASON FOR NOT ADMINISTERING IESR – NOT ACTIVE.....	297
26.2	IMPACT OF EVENT – REVISED – NOT ACTIVE.....	298
26.3	REASON FOR NOT ADMINISTERING CHILD IESR – NOT ACTIVE.....	299
26.4	CHILD IMPACT OF EVENT SCALE - REVISED (IESR) – NOT ACTIVE.....	300
<b>27</b>	<b>RESTORE CHIEF SHORT FORM – NOT ACTIVE.....</b>	<b>301</b>
27.1	REASON FOR NOT ADMINISTERING CHIEF SHORT FORM – NOT ACTIVE.....	301
27.2	CHIEF SHORT FORM – NOT ACTIVE.....	302

## 0 General Methodology and Inclusion criteria

---

This data dictionary defines each of the items on which data is collected for the Victorian State Trauma Registry (VSTR) and the Victorian Orthopaedic Trauma Outcomes Registry (VOTOR) and provides information on how the required data is sourced and entered in the database. The dictionary consists of a contents page that groups data items according to data that is collected from same source and refers to a particular phase of patient's acute care. The main text document provides detailed information about each data item using the following format:

### Dataset

<b>Content</b>	A summary of the content of the dataset.
<b>Collected by</b>	The organisation that routinely reports the dataset.
<b>Collected for</b>	Patients for which the dataset is collected.
<b>Data Source</b>	Where the dataset can be obtained.
<b>Database Location</b>	Location(s) (table name) in the database where the data is stored.

### Data Item

#### Specification

<b>Definition</b>	A definition of the item on which data is collected.
<b>Database name</b>	The name given to the item within the database. This name does not start with a number or include spaces.
<b>Collection</b>	Whether the data item is Mandatory, Conditional, Optional or Calculated from other data items.
<b>Data type</b>	Type of data to be entered eg alphanumeric, numeric.
<b>Form</b>	The form in which the data is to be entered eg code, text.
<b>Field size</b>	The maximum number of characters the data item can take.
<b>Layout</b>	Format in which data is to be entered: N for numeric, A for alphanumeric values.
<b>Code set</b>	The reference database table name and set of codes used for the item where the form is Code.
<b>Reporting guide</b>	Additional Comments or assistance on interpreting, applying or reporting the data item or code set.

#### Administration

<b>Purpose</b>	The purpose of collecting the data.
<b>Data Users</b>	The permitted users of the data.
<b>Collection start</b>	The date the data collection started (and ceased, if applicable) for the item.
<b>Definition source</b>	The source that originally defined the item.
<b>Code set source</b>	The source that established the set of codes.

## Inclusion criteria for the Victorian State Trauma Registry

The Victorian State Trauma Registry (VSTR) incorporates patient data from across the continuum of care, including pre-hospital services and patient outcomes after hospital discharge. The VSTR is a Department of Health (DH) (formerly Department of Health and Human Services) and Transport Accident Commission (TAC) sponsored project. The Victorian State Trauma Outcome Registry and Monitoring (VSTORM) group is a team of associate investigators, all of whom are experts in the area of trauma, who acts as coordinators and advisers to the project.

### Eligible patients

To ensure the VSTR captures all major trauma patients in Victoria, broad-based inclusion criteria are used. The VSTR captures trauma patients whose principal diagnosis is injury, irrespective of age, and who meet any of the registry criteria (Box 1) and none of the exclusion criteria (Box 2). The first four inclusion criteria are based on those recommended in the ROTES report. The remaining criteria are screening filters to capture the wider population of potentially major trauma patients.

#### Box 1: The VSTR patient inclusion criteria

1. All deaths after injury
2. All patients admitted to an intensive care unit or high-dependency area for more than 24 hours and mechanically ventilated after admission
3. Significant injury to two or more ISS body regions (an AIS of 2 or more in two or more
4. body regions) or an ISS greater than 12
5. Urgent surgery for intracranial, intrathoracic or intraabdominal injury, or fixation of pelvic or spinal fractures
6. Electrical injuries, drowning and asphyxia patients admitted to an intensive care unit and having mechanical ventilation for longer than 24 hours or death after injury or ISS > 12
7. All patients with injury as their principal diagnosis whose length of stay is three days or more—unless they meet exclusion criteria
8. All patients with injury as their principal diagnosis transferred to or received from another health service for further emergency care or admitted to a high-dependency area—unless they meet exclusion criteria

## 1. Box 2: The VSTR patient exclusion criteria

1. Isolated fractured neck of femur
2. Isolated upper limb joint dislocation, shoulder girdle dislocation (unless associated with vascular compromise) and toe/foot/knee joint dislocation—unless meets inclusion criteria 1, 2 or 4
3. Isolated closed-limb fractures only (for example, fractured femur, Colles' fracture)—unless meets inclusion criteria 1, 2 or 4
4. Isolated injuries distal to the wrist and ankle only (for example, finger amputations)—unless meets inclusion criteria 1, 2 or 4
5. Soft tissue injuries only (for example, tendon and nerve injury and uncomplicated skin injuries) – unless meets inclusion criteria 1, 2 or 4
6. Burns to less than 10 per cent of the body—unless meets inclusion criteria 1, 2 or 4
7. Isolated eyeball injury
8. Isolated stable pelvic ring fractures—Unless meets inclusion criteria 1, 2 or 4 (From date of injury 1 July 2017)
9. Isolated Acetabular fractures not further specified—Unless meets inclusion criteria 1, 2 or 4 (From date of injury 1 July 2017)
10. Isolated lumbar or thoracic spine vertebral body fractures—Unless meets inclusion criteria 1, 2 or 4 (From date of injury 1 July 2017)
11. Isolated single rib fractures, two rib fractures or fractures of the sternum—Unless meets inclusion criteria 1 or 2 (From date of injury 1 July 2017)
12. Isolated hypothermia or hypothermia with superficial or soft tissue injuries only and without other injuries does not meet VSTR criteria.

### Updated exclusion criteria for patients with data of injury from 1 July 2017:

Following the VSTR review of the inclusion and exclusion criteria for minor trauma (Cases from July 2010 to June 2016), the recommendations from the key findings (below) were endorsed for implementation by the State Trauma Committee on 30 March 2017:

- i. The VSTR inclusion criteria require amendment to **remove the “other significant injury” criterion** as this is not an objective criterion and will be interpreted differently by each data collector. This would reduce the number of minor trauma cases collected each year by approximately 300.
  - **Action:** “Other significant injury” removed from the additional inclusion criteria guidelines on page 2 of the VSTORM data collection manual
- ii. **Stable pelvic ring fractures** (posterior arch intact) and **acetabular fractures not further specified**, where this is the most severe injury sustained and there is no injury to another body region with an AIS severity score > 1, could be **added to the exclusion criteria**. This would reduce the number of minor trauma cases collected each year by approximately 500 (400 of these at the non-MTS hospitals).
  - **Action:** Addition of the following injuries to the exclusion criteria in the VSTR data dictionary:
    - Isolated stable pelvic ring fractures (AIS2008 code 856151.2 or isolated ICD-10-AM codes S32.2, S32.3, S32.5, S32.81 or S32.83—check to ensure fracture is stable with posterior arch intact) with no injury to another body region with an AIS severity score > 1,

- unless in-hospital death, ICU > 24 hours with mechanical ventilation or urgent pelvic surgery (within 48 hours).
    - Isolated Acetabular fractures not further specified (AIS2008 code 856200.2 or isolated ICD-10-AM code S32.4—check to ensure fracture is not further specified) with no injury to another body region with an AIS severity score > 1, unless in-hospital death, ICU > 24 hours with mechanical ventilation or urgent pelvic surgery (within 48 hours).
  - iii. **Lumbar and thoracic spine vertebral body fractures** (not further specified or with minor compression only), **lumbar spine transverse process fractures**, and **lumbar spine fractures not further specified**, where this is the most severe injury sustained and there is no injury to another body region with an AIS severity score > 1, could be **added to the exclusion criteria**. This would reduce the number of minor trauma cases collected each year by approximately 500.
    - **Action:** Addition of the following injuries to the exclusion criteria in the VSTR data dictionary:
      - Isolated (ie. One) lumbar or thoracic spine vertebral body fracture (not further specified or with minor compression only), lumbar spine transverse process fracture, and lumbar spine fracture not further specified (AIS2008 codes 650430.2, 650432.2, 650630.2, 650632.2, 650620.2 or 650616.2 or isolated ICD-10-AM codes S22.31, S22.32, S22.41, S22.42 or S22.2) with no injury to another body region with an AIS severity score > 1, unless in-hospital death, ICU >24 hours with mechanical ventilation or urgent pelvic surgery (within 48 hours). A patient with more than one vertebral body fracture (e.g. L2, L3 and L4 or multiple fractures of one vertebra (e.g. AIS2008 code 6506172) meets VSTORM inclusion criteria (if LOS 3 or more days, ISS > 12 or death after injury or urgent surgery criteria met).
  - iv. **Single rib fractures, two rib fractures, and fractures of the sternum**, where this is the most severe injury sustained and there is no injury to another body region with an AIS severity score > 1, could be **added to the exclusion criteria**. This would reduce the number of minor trauma cases collected each year by approximately 250.
    - **Action:** Addition of the following injuries to the exclusion criteria in the VSTR data dictionary:
      - Single rib fractures, two rib fractures, and fractures of the sternum (AIS2008 codes 450201.1, 450202.2, 450804.2) with no injury to another body region with an AIS severity score > 1, unless in-hospital death, ICU > 24 hours with mechanical ventilation.
  - v. There were no head injury diagnoses in the minor trauma patient population that were considered suitable for exclusion.
    - No updates required
  - vi. The number of isolated facial fracture cases was low overall and changes to the exclusion criteria for these injuries would have little impact on workload.
    - No updates required

Notably, the changes recommended are only to the VSTR inclusion and exclusion criteria. *No changes to the trauma system pre-hospital triage guidelines, or inter-hospital transfer guidelines, are recommended.* Therefore, there no change in system or clinical practice is expected.

- i. **Partial or full thickness burns with a %TBSA of 20-29%** should be **reinstated as a criterion for major trauma**. The 2008 update to the AIS resulted in some of these injuries being downgraded from a severity score of 4 (automatic inclusion on the VSTR

due to an ISS > 12) to 3. These injuries are a specific injury inclusion on the pre-hospital trauma triage guidelines and the expectation would be that these are managed at a specialist burn centre.

- **Action:** Addition of the following criterion to the Major Trauma definition in the VSTR data dictionary:
  - Burns, 2<sup>nd</sup> or 3<sup>rd</sup> degree; partial or full thickness 20–29% (AIS2008 code 912018.3) for patients with date of injury from July 1 2017, cases prior to this date with AIS98 912018.3 or AIS2008 912018.3 have been updated to meet major trauma criteria.
  - Burns20–29 to be added to data extracts as a criterion for major trauma to enable this group to be filtered out if necessary.

#### **Other updates for patients with date of injury from 1 July 2017:**

**Electrical injuries, drowning and asphyxia** cases to be included on the registry if ISS > 12 (AIS2008) regardless of mechanical ventilation hours or outcome. The original criteria of ICU admission with mechanical ventilation > 24 hours or in-hospital death remains applicable (if ISS ≤ 12).

#### **Major trauma definition**

The definition of major trauma for the VSTR is adapted from the ROTES report as outlined in Box 3.

#### **Box 3: The VSTR major trauma definition**

All trauma patients with injury as their principal diagnosis (irrespective of age) who meet any of the following criteria:

1. Death after injury
2. ISS greater than 12
3. Admission to an intensive care unit for more than 24 hours, requiring mechanical ventilation
4. Urgent surgery (within 24 hours) for intracranial, intrathoracic or intraabdominal injury, or for fixation of pelvic or spinal fractures
5. Partial or full thickness burns ≥ 20 per cent total body surface area (TBSA)

Source: Ministerial Taskforce on Trauma and Emergency Services and the Department of Human Services Working Party on Emergency and Trauma Services 1999

## Inclusion criteria for the Victorian Orthopaedic Trauma Outcomes Registry

The Victorian Orthopaedic Trauma Outcomes Registry (VOTOR) is a comprehensive database of orthopaedic injuries, treatment, complications and outcomes based on admissions to The Alfred, Royal Melbourne, University Hospital Geelong and The Northern Hospital. The Victorian Orthopaedic Trauma Outcomes Registry first started as a collaborative project between The Alfred and Royal Melbourne Hospital and the Department of Epidemiology and Preventive Medicine at Monash University in 2003 and in 2007 was expanded to include University Hospital Geelong and The Northern Hospital

The VOTOR captures data about all patients with an emergency admission (> 24 hours or death within 24 hours) to the participating hospital for an orthopaedic injury. Patients with a pathological fracture related to metastatic disease are excluded. Eligible patients are identified by the discharge diagnosis through ICD-10-AM reports from the hospitals. In the event where ICD-10-Codes are not available, or the patient dies within 24 hours of the hospital admission, the orthopaedic injuries are determined using Abbreviated Injury Scale codes.

Box 4: The VOTOR inclusion and exclusion criteria

INCLUSION	EXCLUSION
All patients admitted with a new orthopaedic injury with a length of stay > 24 hours. Please note isolated soft tissue injuries that were operatively managed with a date of injury prior to and including 31/12/2017 were included on the registry.  Death after injury	Pathological fracture related to metastatic disease, and/or  Age < 16 years  Isolated soft tissue injuries with a date of injury from 1/1/2018.

# 1 Patient Details/Contact

---

---

<b>Content</b>	Patient and Contact identifying and demographic data
<b>Collected by</b>	All Victorian State Trauma System hospitals (public and private)
<b>Collected for</b>	All patients
<b>Data source</b>	Hospital Medical Record or Health Information System

## 1.1 Patient Identifier

---

---

<b>Definition</b>	A system generated value that uniquely identifies a VSTR patient for an incident. If a patient has more than one incident they will be allocated a new Patient Identifier for each incident.		
<b>Database Name</b>	PatientID	<b>Collection</b>	System generated
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	6	<b>Layout</b>	NNNNNN
<b>Database Location</b>	Patient Table, Contact Table, Event Table Ambulance Table, Admission Table, Discharge Table, Outcome Table, Transfer Table, Injury Table, Operation Table, Diagnosis Table, Procedure Table, Prosthetics Table, Follow-up Tables, Optoff Table (where applicable)		
<b>Code set</b>	-		
<b>Reporting guide</b>	Begins at 1		
<b>Purpose</b>	Patient identification Provision of de-identified datasets		
<b>Data Users</b>	VSTR Database Staff, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	-		

## 1.2 Surname

---

<b>Definition</b>	The Surname of the Patient or Contact person		
<b>Database Name</b>	SNAM	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	30	<b>Layout</b>	AAAAAAAAAAAAA
<b>Database Location</b>	Patient Table Contact Table		
<b>Code set</b>	-		
<b>Reporting guide</b>	Permitted characters: A to Z, hyphen		
<b>Purpose</b>	Patient identification Patient letters Telephone follow-up		
<b>Data Users</b>	Data collectors, VSTR staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	-		

## 1.3 Given Name and Other Given Names

---

<b>Definition</b>	The given name(s) of the patient or contact person		
<b>Database Name</b>	GivenName	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	30	<b>Layout</b>	AAAAAAAAAAAAA
<b>Database Location</b>	Patient Table Contact Table		
<b>Code set</b>	-		
<b>Reporting guide</b>	Permitted characters: A to Z, hyphen		
<b>Purpose</b>	Patient identification Patient letters Telephone follow-up		
<b>Data Users</b>	Data collectors, VSTR staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	-		
<b>Definition</b>	The other given name(s) of the patient		
<b>Database Name</b>	OtherGivenNames	<b>Collection</b>	Optional
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	30	<b>Layout</b>	AAAAAAAAAAAAA
<b>Database Location</b>	Patient Table		
<b>Code set</b>	-		
<b>Reporting guide</b>	Permitted characters: A to Z, hyphen		
<b>Purpose</b>	Patient identification Registry of Births, Deaths and Marriages (BDM) Victoria linkage		
<b>Data Users</b>	Data collectors, VSTR staff		
<b>Collection start</b>	2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	-		

## 1.4 Date of Birth

---

<b>Definition</b>	The date of birth (DOB) of the patient		
<b>Database Name</b>	DOB	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY
<b>Database Location</b>	Patient Table		
<b>Code set</b>	A valid date.		
<b>Reporting guide</b>	DOB must be on or before the current date. Century (CC) can only be 18,19,20 or 99 If unknown, use the date 09/09/9999		
<b>Purpose</b>	Patient Identification Calculation of age at date of injury (difference between Date of Birth and Date of Injury) and age at date of follow-up		
<b>Data Users</b>	Data collectors, VSTR staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	-		

## 1.5 Sex

---

<b>Definition</b>	The sex of the patient		
<b>Database Name</b>	Sex	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Database Location</b>	Patient Table		
<b>Code set</b>	_sex (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Male	
	2	Female	
	3	Intersex	
	-1	Unknown	
<b>Reporting guide</b>	Select the sex of the patient at birth, intersex added in 2015.		
<b>Purpose</b>	Service utilisation and epidemiological studies		
<b>Data Users</b>	Department of Health (DH) and Transport Accident Commission (TAC) Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code Set source</b>	National Health Data Dictionary (NHDD)/VSTORM		

## 1.6 Address 1

---

<b>Definition</b>	The first line of the postal address of the patient or contact person		
<b>Database Name</b>	Address1	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	<b>100</b>	<b>Layout</b>	AAAAAAAAAAAAA
<b>Database Location</b>	Patient Table Contact Table		
<b>Code set</b>	Permitted characters: A to Z, space, hyphen		
<b>Reporting guide</b>	This should generally follow the format of: [Street number] [Street Name] [Street Type] However, RMB addresses and PO Box addresses are acceptable. Name of residential facility, aged care facility or supported residential service.  Suburb/Town is not acceptable in this field		
<b>Purpose</b>	Patient identification Patient letters Telephone follow-up		
<b>Data Users</b>	Data collectors, VSTR staff		
<b>Collection start</b>	2002		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	-		

## 1.7 Address 2

---

<b>Definition</b>	The second line of the postal address of the patient or contact person		
<b>Database Name</b>	Address2	<b>Collection</b>	Optional
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	100	<b>Layout</b>	AAAAAAAAAAAAA
<b>Database Location</b>	Patient Table Contact Table		
<b>Code set</b>	Permitted characters: A to Z, space, hyphen		
<b>Reporting guide</b>	This field should only contain values when the postal address of the patient (as it would appear on an envelope), is three lines (including suburb/town)  Suburb/Town is not acceptable in this field		
<b>Purpose</b>	Patient identification Patient letters Telephone follow-up		
<b>Data Users</b>	Data collectors, VSTR staff		
<b>Collection start</b>	2002		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	-		

## 1.8 Suburb

---

<b>Definition</b>	The name of the town/suburb of the patient or contact person's postal address		
<b>Database Name</b>	Suburb	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Code
<b>Field size</b>	22	<b>Layout</b>	AAAAAAAAAAAAA
<b>Database Location</b>	Patient Table Contact Table		
<b>Code set</b>	tlkp_PostC (reference table)		
<b>Reporting guide</b>	This should be the exact town/suburb name, as would be used when addressing mail, and not an abbreviation or description.		
<b>Purpose</b>	Patient identification Patient letters Telephone follow-up		
<b>Data Users</b>	Data collectors, VSTR staff		
<b>Collection start</b>	2002		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Australia Post		

## 1.9 State/Country

---

<b>Definition</b>	The state, or, where appropriate, country, of the patient's residence		
<b>Database Name</b>	State	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Code
<b>Field size</b>	4	<b>Layout</b>	NNNN
<b>Database Location</b>	Patient Table Contact Table		
<b>Code set</b>	_country (reference table)		
<b>Reporting guide</b>	The Country Code Table is based around the Country of Birth Table in the VEMD.		
<b>Purpose</b>	Patient identification Sending patient letters Telephone follow-up		
<b>Data Users</b>	Data collectors, VSTR staff		
<b>Collection start</b>	2002		
<b>Data source</b>	Hospital Medical Record		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	DH/NHDD/Australian Standard Classification of Countries for Social Statistics. (Australian Bureau of Statistics, catalogue no. 1269.0)		

## 1.10 Residential Postcode

<b>Definition</b>	The postcode of the patient or contact person's postal address		
<b>Database Name</b>	Postcode	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Name
<b>Field size</b>	4	<b>Layout</b>	NNNN
<b>Database Location</b>	Patient Table Contact Table		
<b>Code set</b>	tlkp_PostC (reference table)		
	Refer to the Postcode/Locality/SLA reference file available from: <a href="http://www1.auspost.com.au/postcodes/index.asp?sub=2">http://www1.auspost.com.au/postcodes/index.asp?sub=2</a>		
	Other codes for use in this field:		
	<b>Code</b>	<b>Description</b>	
	1000	No Fixed Abode	
	8888	Overseas	
	9988	Unknown in Victoria	
	9999	Unknown outside Victoria	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Patient identification Sending patient letters Telephone follow-up		
<b>Data Users</b>	Data collectors, VSTR staff		
<b>Collection start</b>	2002		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Australia Post (modified)/DH		

### Derived Variable (postcode region):

PCregion	PCregionD
1	Barwon South West
2	Gippsland
3	Grampians
4	Hume
5	Loddon Mallee
6	Eastern Metro
7	Northern Metro
8	Southern Metro
9	Western Metro
254	Overseas
255	Unknown in Victoria
256	Unknown outside Victoria
257	No Fixed Abode

258	Unknown
1100	Not further specified
1101	New South Wales
1102	Victoria
1103	Queensland
1104	South Australia
1105	Western Australia
1106	Tasmania
1107	Northern Territory
1108	Australian Capital Territory
1109	Other Territories

## 1.11 ARIA and IRSAD

---

**Definition** Accessibility/Remoteness Index of Australia (ARIA) and Index of Relative Socio-economic Advantage and Disadvantage (IRSAD)

**Database Name** Postcode **Collection** Mapped from postcode

**Datatype** Alphanumeric **Form** Name

**Field size** 4 **Layout** NNNN

**Database Location** Main table extract only

**Code set** tlkp\_PostC (reference table)

Refer to the Postcode/Locality/SLA reference file available from:  
<http://www1.auspost.com.au/postcodes/index.asp?sub=2>

Other codes for use in this field:

Code	Description
1000	No Fixed Abode
8888	Overseas
9988	Unknown in Victoria
9999	Unknown outside Victoria

**Reporting guide** -

**Purpose** Determine the socio-economic status of the patient based on postcode of residence  
Refer to ABS website for more information about ARIA:  
<http://www.abs.gov.au/websitedbs/d3310114.nsf/home/remoteness+structure>  
Refer to ABS website for more information about IRSAD:  
<http://www.abs.gov.au/ausstats/abs@.nsf/Lookup/2033.0.55.001main+features100042011>

**Data Users** Data collectors, VSTR staff

**Collection start** 2014

**Definition source** VSTORM and VOTOR

**Code set source** DH/Australia Post (modified), IRSAD ABS: Postal Area, Indexes, SEIFA 2011—2033.0.55.001—Socio-economic Indexes for Areas (SEIFA), Table 2. Postal Area (POA) Index of Relative Socio-economic Advantage and Disadvantage, 2011  
(<https://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/2033.0.55.0012011>)

## 1.12 Telephone

---

<b>Definition</b>	The patient or contact person's telephone number		
<b>Database Name</b>	Telephone	<b>Reporting</b>	Optional
<b>Datatype</b>	Alphanumeric	<b>Form</b>	-
<b>Field size</b>	30	<b>Layout</b>	03 9999 9999
<b>Database Location</b>	Patient Table Contact Table		
<b>Reporting guide</b>	This should be the patient's landline telephone number and should include area code. If telephone number is not available, 03 99 999 999 is entered.		
<b>Related items</b>	-		
<b>Purpose</b>	Telephone follow-up		
<b>Data Users</b>	Data collectors, VSTR staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	-		

## 1.13 Mobile Phone

---

<b>Definition</b>	The patient or contact person's mobile phone number		
<b>Database Name</b>	Telephone Number	<b>Reporting</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	-
<b>Field size</b>	10	<b>Layout</b>	0499 999 999
<b>Database Location</b>	Patient Table Contact Table		
<b>Reporting guide</b>	This should be the patient's mobile phone number. Mobile phone is mandatory. If mobile phone number is not available, 0499 999 999 is entered.		
<b>Related items</b>	-		
<b>Purpose</b>	Telephone follow-up		
<b>Data Users</b>	Data collectors, VSTR staff		
<b>Collection start</b>	2006		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	-		

## 1.14 Email

---

<b>Definition</b>	The patient or contact person's email address		
<b>Database Name</b>	Email	<b>Reporting</b>	Optional
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	100	<b>Layout</b>	
<b>Database Location</b>	Patient Table		
<b>Reporting guide</b>	Enter the patient or contact person's email address if available		
<b>Related items</b>	-		
<b>Purpose</b>	Online follow-up		
<b>Data Users</b>	Data collectors, VSTR staff		
<b>Collection start</b>	2014		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	-		

## 1.15 Preferred Language

---

<b>Definition</b>	The language (including sign language) most preferred by the patient for communication. This may be a language other than English even where the person can speak fluent English.		
<b>Database Name</b>	PrefLanguage	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Database Location</b>	Patient Table		
<b>Code set</b>	_language (reference table)		
<b>Reporting guide</b>	Report valid codes as documented in the Language Table		
<b>Related items</b>	-		
<b>Purpose</b>	Telephone follow-up		
<b>Data Users</b>	VSTR staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	DH/NHDD/ ABS mod Aust. Stand. Classification		

## 1.16 Compensable Fund

---

**Definition** Funding source, where the patient is entitled to compensation as a result of the injury sustained.

**Database Name** Fund **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 1 **Layout** N

**Database Location** Patient Table

**Code set** \_fund (reference table)

<b>Code</b>	<b>Description</b>
1	Transport Accident Commission
2	Department of Veterans' Affairs
3	WorkCover
4	Common Law, Public liability, Other compensable, Service personnel
5	Ineligible not compensable
6	Medicare patient/Overseas eligible/Ineligible hospital exempt
7	Compensable status unknown
8	Private

**Reporting guide** -

**Purpose** Service utilisation and epidemiological studies

**Data users** DH Reporting, TAC, WorkSafe Victoria, Epidemiologists

**Collection start** 2001

**Definition source** VSTORM and VOTOR

**Code set source** DH/NHDD

## 1.17 Co-morbidities

---

<b>Definition</b>	Indicator of the presence and severity of any morbidity prior to injury		
<b>Database Name</b>	Comorbidity	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Database Location</b>	Patient Table		
<b>Code set</b>	_comorbid (reference table)		

### Code Description

1	Healthy
2	Systemic illness non-limiting
3	Systemic illness limiting normal activity
4	Systemic illness constant threat to life
5	Unknown
6	Not Documented

### Reporting guide

An accurate description of all co-morbidity should ideally be included, but it is likely to be difficult. In the absence of a reliable, simple assessment of co-morbidity, the four grading scales from the American Society of Anaesthesiologists (ASA), will be used. Use of 5 (Unknown) should not be confused with Not Documented. If a patient does not have any documented co-morbidities, and their treatment was not altered due to any co-morbidities, a logical assumption can be made that the patient did not have any co-morbidities. Unknown should only be used if co-morbidity exists, but the degree of co-morbidity is unknown. This should be found in admission notes or from operating room anaesthetic work sheet.

**Healthy (1)** = A normal healthy patient, without known organic, physiologic, or psychiatric disturbance (e.g. Healthy with good exercise tolerance.)

**Non-limiting (2)** = A patient with controlled medical conditions without significant systemic effects. Example; controlled hypertension, controlled diabetes mellitus without system effects, cigarette smoking without evidence of Chronic Obstructive Airway (COAD) disease. Anaemia, mild obesity, age less than one or greater than 70 years, pregnancy.

**Limiting (3)** = A patient having medical conditions with significant systemic effects intermittently associated with significant functional compromise (e.g. Controlled Congestive Cardiac Failure (CCF), stable angina, old myocardial infarction, poorly controlled hypertension, morbid obesity, bronchospastic disease with intermittent symptoms, chronic renal failure).

**Constant threat to life (4)** = A patient with a medical condition that is poorly controlled, associated with significant dysfunction and is a potential threat to life (e.g. unstable angina, symptomatic COAD, symptomatic CCF, hepatorenal failure).

<b>Purpose</b>	Co-morbidity is an important predictor of outcome from trauma. Co-morbidity is useful in the analysis of unexpected death or disability.
<b>Data users</b>	DH Reporting, Epidemiologists
<b>Collection start</b>	2001
<b>Definition source</b>	VSTORM and VOTOR
<b>Code source</b>	American Society of Anaesthesiologists/VSTORM

## 1.18 CCI Charlson Comorbidity Index

---

<b>Definition</b>	The Charlson Comorbidity Index is a method of categorizing comorbidities of patients based on the International Classification of Diseases (ICD) diagnosis codes.		
<b>Database Name</b>	CCI (CClidx in main table)		
<b>Collection</b>	Derived from definitive care ICD-10-AM codes Mapping table: 180504_VSTR ICD-10-AM Charlson Comorbidity Index map.xlsx		
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Database Location</b>	vwDataset_VSTORM_Quarter		
<b>Code set</b>	1,2,3,6 Unknown is left blank (ICD count = zero)		
<b>Reporting guide</b>	The Charlson Comorbidity Index contains 19 categories of comorbidity and predicts the ten-year mortality for a patient who may have a range of co-morbid conditions. Each condition is assigned with a score of 1,2,3 or 6 depending on the risk of dying associated with this condition. The maximum score will be the patient's CClidx. ICDcount (Total number of definitive care ICD-10-AM codes) will also be provided with this data variable.		
<b>Purpose</b>	Co-morbidity is an important predictor of outcome from trauma. Knowledge of co-morbidity is useful in the analysis of unexpected death or disability.		
<b>Data users</b>	DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code source</b>	VSTORM/VOTOR		

## 1.19 Contact Relationship

---

<b>Definition</b>	The relationship between the contact person and patient		
<b>Database Name</b>	Relation	<b>Collection</b>	Mandatory if contact details available
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Database Location</b>	Contact Table		
<b>Code set</b>	_relation (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	Patient	
	1	Parent	
	2	Spouse (including de facto)	
	3	Child	
	4	Sibling	
	5	Friend	
	6	GP	
	7	Other (specify)	
	8	Other Health Professional	
	9	Other Guardian	
	-1	Unknown	
<b>Reporting guide</b>	Other contact will be recorded in relation other field (free text) if applicable		
<b>Purpose</b>	To identify the relationship of the contact person to the patient Telephone follow-up		
<b>Data users</b>	VSTR follow-up staff		
<b>Collection start</b>	2001 (Other Health Professional added 2009, Other Guardian added April 2019)		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 1.20 Contact Status

---

<b>Definition</b>	The status (current or previous) of a patient's or next of kin's contact details.		
<b>Database Name</b>	ContactStatus	<b>Collection</b>	Mandatory if contact details available
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Database Location</b>	Contact Table		
<b>Code set</b>	_contactstatus (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Current	
	2	Previous	
<b>Reporting guide</b>	-		
<b>Purpose</b>	To retain 'previous' contact details for patient and contacts		
<b>Data users</b>	VSTR follow-up staff		
<b>Collection start</b>	2011		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 2 Injury Event

---

---

<b>Content</b>	Injury event demographic data
<b>Collected by</b>	All Victorian State Trauma System hospitals (public and private)
<b>Collected for</b>	All patients
<b>Data source</b>	Ambulance Patient Care Record (PCR) and/or the hospital medical record

### 2.1 Injury Date

---

<b>Definition</b>	The date of the incident causing the patient to require hospitalisation.		
<b>Database Name</b>	DOIJ	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY
<b>Database Location</b>	Patient Table		
<b>Code Set</b>	A valid date on or after 01 July 2001 and on or before the current date.		
<b>Reporting guide</b>	The date of the injury is entered in the patient section on the web. Mapped from date of admission for VOTOR only cases. InjuryDateTime is derived from Injury Date and Injury Time.		
<b>Purpose</b>	Patient identification Calculation of age at date of injury (difference between Date of Birth and Date of Injury)		
<b>Data users</b>	Data Collectors, VSTR staff DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	DH		

## 2.2 Injury Time

---

<b>Definition</b>	The time of the incident causing the patient to require hospitalisation		
<b>Database Name</b>	InjuryTime	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Time
<b>Field size</b>	4	<b>Layout</b>	HH:NN
<b>Database Location</b>	Event Table		
<b>Code Set</b>	A valid 24-hour time (00:00 denotes Unknown)		
<b>Reporting guide</b>	If time is not accurately known, the best estimate must be used. Default to 00:00 for VOTOR only cases		
	<b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted)		
<b>Purpose</b>	Reporting the most common time when injury occurs		
<b>Data users</b>	DH Annual Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	DH		

## 2.3 Injury Cause

<b>Definition</b>	Event, circumstances or condition associated with the occurrence of trauma		
<b>Database Name</b>	Cause	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Database Location</b>	Event Table		
<b>Code set</b>	_cause (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Motor vehicle - driver	
	2	Motor vehicle -passenger	
	3	Motorcycle - driver (for VSTR includes Vespa scooters)	
	4	Motorcycle - passenger	
	5	Pedal cyclist - rider or passenger (includes electric bikes)	
	6	Pedestrian	
	7	Horse related (fall from, struck or bitten by)	
	8	Other transport-related circumstance (for VSTR include disability scooters and quadbikes used for TAC report)	
	9	Fall - low (same level or less than or equal to 1 metre)	
	10	Fall - high (greater than 1 metre)	
	11	Submersion or drowning - swimming pool	
	12	Submersion or drowning - other	
	13	Other threat to breathing (includes strangulation, asphyxiation)	
	14	Fire, flames, smoke	
	15	Scalds (hot drink, food, water, other fluid, steam, gas or vapour)	
	16	Contact burn (hot object or substance)	
	17	Poisoning - medication	
	18	Poisoning - other or unspecified substance	
	19	Firearm	
	20	Cutting, piercing object	
	21	Dog related	
	22	Other animal related (Excludes dog 21; horse 7)	
	23	Struck by or collision with person	
	24	Struck by or collision with object	
	25	Machinery	
	26	Electricity	
	27	Hot conditions (natural origin, includes sunlight)	
	28	Cold conditions (natural origin)	
	29	Other specified external cause	
	30	Unspecified external cause	
<b>Reporting guide</b>	Refer to the VEMD Business Rules: <a href="https://www.health.vic.gov.au/data-reporting/victorian-emergency-minimum-dataset-vemd">https://www.health.vic.gov.au/data-reporting/victorian-emergency-minimum-dataset-vemd</a> . Mapped from ICD-10-AM for VOTOR only cases.		
<b>Purpose</b>	To enable injury cause categorisation particularly transport related and identify trends in the cause of injuries.  Causes 1 to 6 and 8 used to identify transport related trauma.		
<b>Data users</b>	VSTORM staff, DH Reporting, TAC, WorkCover, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	DH (VEMD)		

## 2.4 Injury Intent

<b>Definition</b>	Most likely human intent in the occurrence of the injury as assessed by clinician		
<b>Database Name</b>	<i>Intent</i>	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Database Location</b>	Event Table		
<b>Code set</b>	_intent (reference table)		

Code	Description
1	Unintentional (from 1 October 2019, previously Accident)
2	Intentional self-harm
3	Sexual assault (not applicable from 1 July 2016)
4	Child neglect, maltreatment by parent, guardian (not applicable for date of injury from 1 July 2016)
5	Maltreatment, assault by domestic partner (not applicable for date of injury from 1 July 2016)
6	Police, legal intervention or operations of war
7	Assault not otherwise specified (not applicable for date of injury from 1 July 2016)
8	Adverse effect or complication of medical or surgical care
9	Intent cannot be determined
10	Other specified intent (not applicable for date of injury from 1 July 2016)
11	Intent not specified (not applicable for date of injury from 1 July 2016)
12	Sexual assault by current or former intimate partner
13	Sexual assault by other family member (excluding intimate partner)
14	Sexual assault by other/unknown
15	Neglect, maltreatment, assault by current or former intimate partner
16	Neglect, maltreatment, assault by other family member (excluding intimate partner)
17	Neglect, maltreatment, assault by other/unknown

**Reporting guide** For this item, the issue is the intent to produce the injury, not the intent to undertake an activity, which happened to result in injury. Select the first appropriate category, which best characterises the role of intent in the occurrence of the injury on the basis of the information available at the time it is recorded.

### Examples

Refer to the VEMD Business Rules: <https://www.health.vic.gov.au/data-reporting/victorian-emergency-minimum-dataset-vemd>

<b>Purpose</b>	Injury surveillance research
<b>Data users</b>	DH Reporting, Epidemiologists
<b>Collection start</b>	2001, VEMD updates to intent codes for date of injury from 1 July 2016
<b>Definition Source</b>	VSTORM only
<b>Code set source</b>	DH (VEMD)

## 2.5 Injury Activity

---

**Definition** The activity being undertaken by the patient, at the time the injury occurred.

**Database Name** *Activity* **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 2 **Layout** N

**Database Location** Event Table

**Code Set** *\_activity* (Reference Table)

Code	Alphabet	Description
1	S	Sports and active recreation activity
2	L	Leisure activity
3	W	Working for income
4	E	Engaged in formal education (student)
5	C	Other work (duties for which no financial benefit is intended or received)
6	N	Being nursed or cared for
7	V	Resting, sleeping, eating or other personal activity
8	O	Other specified activity
-1	U	Unspecified activity

**Reporting guide** Report the first appropriate code listed in the table which best characterises the type of activity being undertaken by the person at the time when the injury occurred, on the bases of the information available at the time it is recorded

If two or more categories are judged to be equally appropriate, select the code, which is sequenced first in the code list

Refer to the <https://www.health.vic.gov.au/data-reporting/victorian-emergency-minimum-dataset-vemd> for examples of how the Injury Surveillance fields should be utilised.

**Purpose** To facilitate injury surveillance research, in particular the identification of work-related and sport related injuries

**Data users** DH Reporting, WorkCover, Epidemiologists

**Collection start** 2001

**Definition source** VSTORM and VOTOR

**Code set source** DH (VEMD)

## 2.6 Injury Place

---

**Definition** The physical location of the patient when the injury occurred

**Database Name** *Place* **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 2 **Layout** NN

**Database Location** Event Table

**Code set** *\_place* (Reference Table)

Code	Alphabet	Description
1	H	Home
2	I	Residential institution
3	S	School, other institution, or public administrative area
4	M	Medical hospital or health service
5	A	Athletics or sports area
6	R	Road, street or highway
7	T	Trade or service area
8	C	Industrial or construction area
9	Q	Mine or quarry
10	F	Farm
11	P	Place for recreation
12	O	Other specified place
-1	U	Unspecified place

**Reporting guide** Report the first appropriate code listed in the table which best characterises the location where the patient was situated at the time the injury occurred, on the basis of the information available at the time it is recorded

If two or more categories are judged to be equally appropriate, select the code, which is sequenced first in the code list.

### Examples

Refer to the <https://www.health.vic.gov.au/data-reporting/victorian-emergency-minimum-dataset-vevd> for examples of how the Injury Surveillance fields should be utilised.

**Purpose** To facilitate injury surveillance research

**Data users** DH Reporting, Epidemiologists

**Collection start** 2001

**Definition source** VSTORM and VOTOR

**Code set source** DH (VEMD)

## 2.7 Injury Type

---

<b>Definition</b>	The type of the most severe injury of the patient		
<b>Database Name</b>	Type	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Database Location</b>	Event Table		
<b>Code set</b>	_type (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	Non-Trauma	
	1	Blunt	
	2	Penetrating	
	3	Burn	
	-1	Unknown	
<b>Reporting guide</b>	Mandatory		
<b>Purpose</b>	Determine epidemiology of injury types		
<b>Data users</b>	DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 2.8      **Entrapment**

---

**Definition**                      Indicates whether patient was trapped at the scene of injury

**Database Name**                Entrapment                      **Collection**                      Mandatory

**Datatype**                        Numeric                              **Form**                              Code

**Field size**                        1                                      **Layout**                            N

**Database Location**            Event Table

**Code set**                         \_question (reference table)

<b>Code</b>	<b>Description</b>
-------------	--------------------

1	Yes
---	-----

0	No
---	----

-1	Unknown
----	---------

**Reporting guide**                -

**Purpose**                             Pre-hospital analysis of case times

**Data users**                     DH Reporting, Ambulance Services, Epidemiologists

**Collection start**                2001

**Definition source**             VSTORM only

**Code set source**                VSTORM

## 2.9      **Entrapment Time**

---

<b>Definition</b>	The length of time (in minutes) that the patient was trapped at the scene of injury		
<b>Database Name</b>	EntrapmentTime	<b>Collection</b>	Mandatory if entrapment = 1 Yes
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	4	<b>Layout</b>	NNNN
<b>Database Location</b>	Event Table		
<b>Code set</b>	Time in minutes of entrapment, blank if not entrapped, -1 if time of entrapment is unknown		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Pre-hospital analysis of case times		
<b>Data users</b>	DH Reporting, Ambulance Services, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 2.10 Injury Details

---

<b>Definition</b>	Patient's personal account or description of the injury event provided at triage. Injury details can also be sourced from pre-hospital ambulance or LMO documentation.		
<b>Database Name</b>	Details	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	650	<b>Layout</b>	
<b>Database Location</b>	Event Table		
<b>Code set</b>	-		
<b>Reporting guide</b>	Briefly and concisely describe the injury event. Information on location, activity, product, safety equipment should be incorporated.		
<b>Purpose</b>	To clarify the injury event (vital for identifying the interventions) and provide additional information relevant to the injury (product type, brand name, safety precautions etc.). The narrative is very important to verify the coded data and to identify injury event features not captured by the coded data.		
<b>Data users</b>	Data Collectors, VSTR Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 2.12 Anticoagulant therapy

---

**Definition** Indicates whether the patient is currently on a course of anticoagulant or anticlotting agents including, warfarin, Direct Oral Anticoagulant (DOAC), clopidogrel and Aspirin.

**Database Name** Anticoagulation **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 2 **Layout** NN

**Database Location** Event Table

**Code Set**

Code	Description
1	Yes
0	No
-1	Unknown/not recorded in medical record

**If Yes, select the type of medication:**

**Definition** Type of anticoagulant, anticlotting or antiplatelet agent being taken by patient at time of injury

**Database Name** AnticoagulationType and OtherAnticoagulationType

**Collection** Mandatory if anticoagulation = 1 Yes

**Datatype** Numeric **Form** Code

**Field size** 2 **Layout** NN

**Code Set**

Code	Description
1	Warfarin
2	Rivaroxaban
3	Apixaban
4	Dabigatran
5	Clopidogrel
6	Ticagrelor or other platelet function inhibitor
7	Aspirin
8	Heparin
9	Clexane
10	Other
99	Unknown name of anticoagulant

Other (specify) \_\_\_\_\_

### Vitamin K antagonist

Code 1 – Warfarin

### Direct Oral Anticoagulants (DOACs)

Code 2 - Rivaroxaban (Direct Xa Inhibitor)

Code 3 - Apixaban (Direct Xa Inhibitor)

Code 4 - Dabigatran (Direct Thrombin Inhibitor)

### Inhibition of platelet function

Code 5 - Clopidogrel

Code 6 - Ticagrelor or other platelet function inhibitor

Code 7 - Aspirin

**Other anticoagulant**

Code 8 - Heparin

Code 9 - Clexane

Code 10 - Other

Other (specify): \_\_\_\_\_

**Reporting guide** Record if there is documentation of the patient taking anticoagulation or blood thinning therapy at the time of the injury. If patient is taking more than one type of anticoagulation or blood thinning therapy please select other and then specify.

**Purpose** To identify patients at potential risk of haemorrhage

**Data users** VSTORM staff, researchers

**Collection start** Date of injury 1 July 2017

**Definition source** VSTORM only

**Code set source** VSTORM

## 2.13 Injury Address

---

<b>Definition</b>	Text description of street Injury Address		
<b>Database Name</b>	InjuryAddress	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	150	<b>Layout</b>	-
<b>Database Location</b>	Event Table		
<b>Code set</b>	Unknown if the address is not known		
<b>Reporting guide</b>	<b>Example</b> Corner of Punt and Commercial Roads, Prahran		
<b>Purpose</b>	To verify the injury location		
<b>Data users</b>	Data Collectors, VSTORM Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 2.14 Injury Postcode

<b>Definition</b>	The postcode where the injury occurred		
<b>Database Name</b>	InjuryPostcode	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Name
<b>Field size</b>	4	<b>Layout</b>	NNNN
<b>Database Location</b>	Event Table		
<b>Code set</b>	_postcode (reference table)		
	Refer to the Postcode/Locality/SLA reference file available from: <a href="http://www1.auspost.com.au/postcodes/index.asp?sub=2">http://www1.auspost.com.au/postcodes/index.asp?sub=2</a>		
	Other codes for use in this field:		
	<b>Code</b>	<b>Description</b>	
	8888	Overseas	
	9988	Unknown in Victoria	
	9999	Unknown in Australia but outside Victoria	
<b>Reporting guide</b>	As this is a location postcode, PO Box and other special purpose postcodes (such as Large Volume Recipients) are not permitted in this field		
<b>Purpose</b>	To enable mapping of trauma locations with respect to the location of the treating hospital		
<b>Data users</b>	DH Reporting, Epidemiologists		
<b>Collection start</b>	2002		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Australia Post (modified)		

### Derived Variable (postcode region):

PCregion	PCregionD
1	Barwon South West
2	Gippsland
3	Grampians
4	Hume
5	Loddon Mallee
6	Eastern Metro
7	Northern Metro
8	Southern Metro
9	Western Metro
254	Overseas
255	Unknown in Victoria
256	Unknown outside Victoria
257	No Fixed Abode
258	Unknown

1100	Not further specified
1101	New South Wales
1102	Victoria
1103	Queensland
1104	South Australia
1105	Western Australia
1106	Tasmania
1107	Northern Territory
1108	Australian Capital Territory
1109	Other Territories

## 3 Ambulance

---

---

<b>Definition</b>	Ambulance service, response times, vital signs and specific procedures
<b>Collected by</b>	All Victorian State Trauma System hospitals (public and private) and Ambulance Victoria where not available
<b>Collected for</b>	Analysis of pre-hospital care
<b>Data source</b>	Ambulance Patient Care Record (PCR), VACIS (Victorian Ambulance Clinical Information System) print out or Ambulance Victoria
<b>Database Location</b>	Ambulance Table

### 3.1 PCR Code

---

<b>Definition</b>	Documents which ambulance patient care records were available		
<b>Database Name</b>	PCRCode	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Database Location</b>	Patient Table and Ambulance Table		
<b>Code set</b>	_pcrcode (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	All relevant patient care records available	
	2	Missing first ambulance patient care record	
	3	Missing transporting ambulance patient care record	
	4	No patient care records available	
	-1	Unknown	
	-2	Not Applicable	
<b>Reporting guide</b>	Not Applicable is used if patient arrived by private transport		
<b>Purpose</b>	To determine which ambulance records were available		
<b>Data users</b>	VSTORM Staff		
<b>Collection start</b>	2003		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 3.2 Ambulance Case Number

---

<b>Definition</b>	The case number(s) of the patient care records used by the ambulance service		
<b>Database Name</b>	AmbulanceCase	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	
<b>Code set</b>	-		
<b>Reporting guide</b>	-1 if case number is unknown		
<b>Purpose</b>	Ambulance Service Identification and Linkage		
<b>Data users</b>	VSTORM Staff, Ambulance Victoria		
<b>Collection start</b>	2003		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Ambulance Victoria		

### 3.3 Ambulance Service

---

**Definition** Ambulance service used for patient transport to hospital from the scene of injury.

**Database Name** Service **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 2 **Layout** N

**Code Set** \_service (reference table)

Code	Description
1	MAS - Metropolitan Ambulance Service
2	RAV - Rural Ambulance Service
3	AAV - Air Ambulance Victoria
6	Interstate
7	Private Ambulance
8	Retrieval
9	RFDS (Private amb)
-1	Unknown

**Reporting guide** 1,2,3,6,9, -1 only for Ambulance data

**Purpose** To monitor patterns of ambulance usage for the purpose of ambulance policy and planning

**Data users** VSTORM Staff, Ambulance Services, DH/TAC Reporting

**Collection start** 2001

**Definition source** VSTORM only

**Code source** Ambulance Victoria

### 3.4 Ambulance Team/Branch Number

---

<b>Definition</b>	The ambulance service team or branch number		
<b>Database Name</b>	AmbulanceTeam	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	
<b>Code Set</b>	_teamMAS (reference table) _teamRAV2010 (reference table)		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Ambulance Service Identification and Linkage		
<b>Data users</b>	VSTORM Staff, Ambulance Services		
<b>Collection start</b>	01/07/2005		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Ambulance Victoria		

## 3.5 Ambulance Mode of Transport

---

**Definition** Mode of Transport of ambulance service used for patient transport to hospital.

**Database Name** Mode **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 2 **Layout** N

**Code Set** \_mode (reference table)

Code	Description
1	Fixed wing
2	Helicopter
3	MICA (inactive)
4	Road car
9	Other
-1	Unknown
-2	Not applicable

**Reporting guide** 1, 2 or -1 Only for Admission data (If ambulance service = 3 Air Ambulance Victoria) or -2 if ambulance service is not Air Ambulance Victoria.

**Purpose** To monitor patterns of ambulance usage for the purpose of ambulance policy and planning

**Data users** VSTORM Staff, Ambulance Services, DH/TAC Reporting

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** Ambulance Victoria

## 3.6 MICA Paramedic

---

<b>Definition</b>	Indicates whether the patient's ambulance transport was with a MICA paramedic		
<b>Database Name</b>	MICA	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes	
	-1	Unknown	
<b>Reporting guide</b>	1 should also be used if a MICA paramedic attended to the patient in the pre-hospital setting, regardless of the type of ambulance used.		
<b>Purpose</b>	To monitor patterns of ambulance usage for the purpose of ambulance policy and planning		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Ambulance Victoria		

## 3.7 Time Critical

---

<b>Definition</b>	Indicates whether the injured patient met time critical criteria as documented by the ambulance service		
<b>Database Name</b>	TimeCritical	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	To monitor ambulance triage.		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition Source</b>	VSTORM only		
<b>Code set Source</b>	Ambulance Victoria		

## 3.8 Ambulance Call Received Time

---

<b>Definition</b>	The date and time the first ambulance at scene's call was received		
<b>Database Name</b>	CallReceived	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code Set</b>	A valid date and time not less than the date and time of injury, with a valid 24-hour time (not 00:00 or 24:00)		
<b>Reporting guide</b>	Must be greater than or equal to the Time of Injury		
	<b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	To monitor ambulance system performance		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Ambulance Victoria		

## 3.9 First Ambulance Arrival At Location Time

---

<b>Definition</b>	The date and time the first ambulance arrived at the location		
<b>Database Name</b>	Location	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code Set</b>	A valid date and time not less than the date and time of injury, with a valid 24-hour time (not 00:00 or 24:00)		
<b>Reporting guide</b>	Must be greater than or equal to the date and time Call Received.  <b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	To monitor ambulance system performance		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Ambulance Victoria		

## 3.10 First Ambulance Arrival At Patient Time

---

<b>Definition</b>	The date and time the first ambulance arrived at patient.		
<b>Database Name</b>	PatientFirst	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code Set</b>	A valid date and time not less than the date and time of injury, with a valid 24-hour time (not 00:00 or 24:00)		
<b>Reporting guide</b>	Must be greater than or equal to the date and time the First Ambulance arrived at Location.  <b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	To monitor ambulance system performance		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Ambulance Victoria		

## 3.11 Transporting Ambulance Arrival At Patient Time

---

<b>Definition</b>	The date and time the transporting ambulance (which may also be the first ambulance) arrived at patient.		
<b>Database Name</b>	PatientTransp	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code Set</b>	A valid date and time not less than the date and time of injury, with a valid 24-hour time (not 00:00 or 24:00)		
<b>Reporting guide</b>	Must be greater than or equal to the date and time the first ambulance arrived at location. If there is only one ambulance the transporting ambulance arrival at patient date/time will be the same as first ambulance arrived at patient.  <b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	To monitor ambulance system performance		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Ambulance Victoria		

## 3.12 Transporting Ambulance Scene Departure time

---

<b>Definition</b>	The date and time the transporting ambulance departed the location.		
<b>Database Name</b>	Depart	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code Set</b>	A valid date and time not less than the date and time of injury, with a valid 24-hour time (not 00:00 or 24:00)		
<b>Reporting guide</b>	Must be greater than or equal to the date and time the First and Transporting Ambulance arrived at Patient.  <b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	Ambulance system performance monitoring		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Ambulance Victoria		

### 3.13 Ambulance At Destination Time

---

<b>Definition</b>	The date and time the transporting ambulance arrived at hospital		
<b>Database Name</b>	Destination	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code Set</b>	A valid date and time not less than the date and time of injury, with a valid 24-hour time (not 00:00 or 24:00)		
<b>Reporting guide</b>	Must be greater than or equal to the date and time the Transporting Ambulance departed the Location		
	<b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	To monitor ambulance system performance		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Ambulance Victoria		

## 3.14 Ambulance First Recorded Pulse

---

<b>Definition</b>	First recorded pulse of patient		
<b>Database Name</b>	Pulse	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	3	<b>Layout</b>	NNN
<b>Reporting guide</b>	Pulse must be between -1 and 300  -1 indicates that a pulse was not recorded  0 indicates that patient is in cardiac arrest		
<b>Purpose</b>	Used as a proxy measure to assess injury severity.		
<b>Data users</b>	Ambulance Services, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Ambulance Victoria		

### 3.15 Ambulance First Recorded Systolic Blood Pressure

---

<b>Definition</b>	First recorded systolic blood pressure		
<b>Database Name</b>	BloodPressure	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	3	<b>Layout</b>	NNN
<b>Reporting guide</b>	Must be between -1 and 300  -1 indicates that blood pressure was not recorded  0 indicates that patient has an unrecordable BP		
<b>Purpose</b>	This is an important component of several scoring systems for triage and is one assessment of patient acuity. TRISS Calculation		
<b>Data users</b>	Ambulance Services, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Ambulance Victoria		

## 3.16 Ambulance Systolic Blood Pressure Quality

### Indicator

---

<b>Definition</b>	Indicates whether the systolic blood pressure of the patient dropped below 100 at ten minutes (or next recorded) after treatment commenced by emergency service personnel before arrival at first hospital		
<b>Database Name</b>	QIBloodPressure (BP < 100 after 10 minutes)		
<b>Collection</b>	Mandatory		
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Yes	
	0	No	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Monitoring of Ambulance systems performance		
<b>Data users</b>	Ambulance Services, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

### 3.17 Ambulance First Recorded Respiration Rate

---

<b>Definition</b>	First recorded unassisted patient respiratory rate expressed as number per minute.		
<b>Database Name</b>	Respiration	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Reporting guide</b>	Must be between -1 and 60  -1 indicates that respiration rate was not recorded		
<b>Purpose</b>	Component of several triage scoring systems and provides one assessment of severity of illness or surgery.		
<b>Data users</b>	Ambulance Services, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Ambulance Victoria		

### 3.18 Ambulance First Recorded Oxygen Saturation

---

<b>Definition</b>	First recorded oxygen saturation		
<b>Database Name</b>	Oxygen	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	3	<b>Layout</b>	NNN
<b>Reporting guide</b>	Must be between -1 and 100  -1 indicates that oxygen saturation was not recorded		
<b>Purpose</b>	Used as a proxy measure to assess injury severity.		
<b>Data users</b>	Ambulance Services, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Ambulance Victoria		

## 3.19 Ambulance Oxygen Saturation Quality Indicator

---

<b>Definition</b>	Indicates whether the oxygen saturation of the patient dropped below 90% at ten minutes (or next recorded) after treatment commenced by emergency service personnel before arrival at first hospital		
<b>Database Name</b>	QIOxygen (O <sub>2</sub> Sat < 90 after 10 minutes)		
<b>Collection</b>	Mandatory		
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	NN
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Monitoring of Ambulance systems performance		
<b>Data users</b>	Ambulance Services, Epidemiologists, DH/TAC Annual Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 3.20 Ambulance First Recorded GCS - Eye

---

**Definition** Indication of the responsiveness to stimuli by eye opening

**Database Name** GCSEye **Collection** Mandatory

**Datatype** Numeric **Form** Integer

**Field size** 2 **Layout** N

**Code set** \_gcsEye (reference table)

Score	Adult	Child	Infant
4	Spontaneous	Spontaneous	Spontaneous
3	Voice	Verbal Stimuli	Verbal Stimuli
2	Pain	Pain	Pain
1	None	No Response	No Response
-1	No recorded value		

**Reporting guide** -

**Related items** GCS Verbal, GCS Motor, GCS Qualifier, GCS Total

**Purpose** This is an important component of several scoring systems and is useful in the assessment of coma and impaired consciousness  
TRISS Calculation

**Data users** Ambulance Services, Epidemiologists, DH/TAC Reporting

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** Teasdale, G. Assessment of coma and impaired consciousness, Lancet 1974/Ambulance Victoria

## 3.21 Ambulance First Recorded GCS - Verbal

**Definition** Indication of the style of verbal response from a patient

**Database Name** GCSVerbal **Collection** Mandatory

**Datatype** Numeric **Form** Integer

**Field size** 2 **Layout** N

**Code set** \_gcsVerbal (reference table)

Score	Adult	Child	Infant
5	Oriented	Oriented	Coos, babbles
4	Confused	Confused	Irritable, cries
3	Inappropriate words	Inappropriate words	Cries to pain
2	Incomprehensible words	Cries, Incomprehensible sounds	Moans to pain
1	None	No response	No response
-1	No recorded value		

**Reporting guide** -

**Related items** GCS Eye, GCS Motor, GCS Qualifier, GCS Total

**Purpose** This is an important component of several scoring systems and is useful in the assessment of coma and impaired consciousness  
TRISS Calculation

**Data users** Ambulance Services, Epidemiologists, DH/TAC Reporting

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** Teasdale, G. Assessment of coma and impaired consciousness, Lancet 1974/Ambulance Victoria

## 3.22 Ambulance First Recorded GCS - Motor

**Definition** Indication of the style of motor response from a patient

**Database Name** GCSMotor **Collection** Mandatory

**Datatype** Numeric **Form** Integer

**Field size** 2 **Layout** N

**Code set** \_gcsMotor (reference table)

Score	Adult	Child	Infant
6	Obeys commands	Obeys commands	Moves spontaneously
5	Localises pain	Localises painful stimulus	Withdraws to touch
4	Withdraws to pain	Withdraws to pain	Withdraws to pain
3	Flexion in pain	Flexion to pain	Decorticate posturing to pain
2	Extension to pain	Extension to pain	Decerebrate posturing to pain
1	None	No Response	No Response
-1	No recorded value		

**Reporting guide** -

**Related items** GCS Eye, GCS Verbal, GCS Total, GCS Qualifier

**Purpose** This is an important component of several scoring systems and is useful in the assessment of coma and impaired consciousness  
TRISS Calculation

**Data users** Ambulance Services, Epidemiologists, DH/TAC Reporting

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** Teasdale, G. Assessment of coma and impaired consciousness, Lancet 1974/Ambulance Victoria

### 3.23 Ambulance First Recorded GCS - Qualifier

---

**Definition** Indication of the legitimacy of the first calculated Glasgow Coma Scale

**Database Name** GCSQualifier **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 2 **Layout** N

**Code set** \_gcs (reference table)

Code	Description
1	Legitimate
2	Sedated
3	Intubated
4	Paralysed and intubated
5	Sedated and intubated
6	Altered by database
7	Existing Neuro Deficit
-1	Unknown

**Reporting guide** -

**Related items** GCS Eye, GCS Verbal, GCS Motor, GCS Total

**Purpose** This must be known in order to evaluate the legitimacy of the Glasgow Coma Scale, which impacts on several trauma scoring systems. TRISS Calculation

**Data users** Ambulance Services, Epidemiologists, DH/TAC Reporting

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** Teasdale, G. Assessment of coma and impaired consciousness, Lancet 1974/VSTORM

## 3.24 Ambulance First Recorded GCS - Total

---

<b>Definition</b>	The sum of the three Glasgow Coma Scale components: Eye Opening, Verbal Response and Motor Response.		
<b>Database Name</b>	GCSTotal	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Code set</b>	-		
<b>Reporting guide</b>	Values must be between 3 and 15 or -1  -1 is used only when a score cannot be calculated		
<b>Related items</b>	GCS Eye, GCS Verbal, GCS Motor, GCS Qualifier		
<b>Purpose</b>	This is an important component of several scoring systems and is useful in the assessment of coma and impaired consciousness TRISS Calculation		
<b>Data users</b>	Ambulance Services, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Teasdale, G. Assessment of coma and impaired consciousness, Lancet 1974/Ambulance Victoria		

## 3.25 Endotracheal Tube

---

**Definition** Indicates whether patient received definitive airway management before arrival at first hospital

**Database Name** ETT **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 1 **Layout** N

**Code set** \_question (reference table)

Code	Description
------	-------------

1	Yes
---	-----

0	No
---	----

-1	Unknown
----	---------

**Reporting guide** -

**Purpose** To determine if intubation occurred pre-hospital  
TRISS Calculation

**Data users** Ambulance Services, Epidemiologists, DH/TAC Reporting

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** VSTORM

## 3.26 Defibrillation

---

<b>Definition</b>	Indicates whether electrical defibrillation was performed before arrival at first hospital		
<b>Database Name</b>	Defib	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Yes	
	0	No	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Monitoring of procedures administered pre-hospital		
<b>Data users</b>	Ambulance Service, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 3.27 Laryngeal Mask

---

<b>Definition</b>	Indicates whether a laryngeal mask was used before arrival at first hospital		
<b>Database Name</b>	Laryngeal	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Yes	
	0	No	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	To determine if intubation occurred pre-hospital TRISS Calculation		
<b>Data users</b>	Ambulance Services, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 3.28 Chest Decompression

---

<b>Definition</b>	Indicates whether a chest decompression was performed before arrival at first hospital		
<b>Database Name</b>	ChestDecomp	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Yes	
	0	No	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Monitoring of procedures administered pre-hospital		
<b>Data users</b>	Ambulance Service, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 3.29 Adrenaline

---

<b>Definition</b>	Indicates whether adrenaline was administered before arrival at first hospital		
<b>Database Name</b>	Adrenaline	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Yes	
	0	No	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Monitoring of procedures administered pre-hospital		
<b>Data users</b>	Ambulance Service, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

### 3.30 Analgesic

---

<b>Definition</b>	Indicates whether any analgesics were administered before arrival at first hospital		
<b>Database Name</b>	Analgesic	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Yes	
	0	No	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Monitoring of procedures administered pre-hospital		
<b>Data users</b>	Ambulance Service, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

### 3.31 Sedative

---

<b>Definition</b>	Indicates whether any sedatives were administered before arrival at first hospital		
<b>Database Name</b>	Sedative	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Yes	
	0	No	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Monitoring of procedures administered pre-hospital		
<b>Data users</b>	Ambulance Service, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 3.32 Antiemetic

---

<b>Definition</b>	Indicates whether any antiemetics were administered before arrival at first hospital. Eg. Maxolon		
<b>Database Name</b>	Antiemetic	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Yes	
	0	No	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Monitoring of procedures administered pre-hospital		
<b>Data users</b>	Ambulance Service, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

### 3.33 IV Fluids

---

<b>Definition</b>	Indicates whether any intra-venous fluids were administered before arrival at first hospital		
<b>Database Name</b>	IVFluids	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Yes	
	0	No	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Monitoring of procedures administered pre-hospital		
<b>Data users</b>	Ambulance Service, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

### 3.34 Naso/Oro Airway

---

<b>Definition</b>	Indicates whether a nasopharyngeal or oropharyngeal tube was used before arrival at first hospital		
<b>Database Name</b>	NasoTube	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Yes	
	0	No	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Monitoring of procedures administered pre-hospital		
<b>Data users</b>	Ambulance Service, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

### 3.35      **Cardiopulmonary Resuscitation**

---

<b>Definition</b>	Indicates whether a cardiopulmonary resuscitation was performed before arrival at first hospital		
<b>Database Name</b>	CPR	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Yes	
	0	No	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Monitoring of procedures administered pre-hospital		
<b>Data users</b>	Ambulance Service, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

### 3.36 Paralysing Agent

---

<b>Definition</b>	Indicates whether a Paralysing Agent was used eg. Suxamethonium		
<b>Database Name</b>	Paralyze	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Yes	
	0	No	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Monitoring of procedures administered pre-hospital		
<b>Data users</b>	Ambulance Service, Epidemiologists, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4 Admission

---

<b>Definition</b>	Hospital Admission data	
<b>Collected by</b>	All Victorian State Trauma System hospitals (public and private)	
<b>Collected for</b>	All acute patient episodes of care	
<b>Data source</b>	Hospital Medical Record	
<b>Database Location</b>	Admission Table	
<b>Reporting Guide</b>	Definitive Hospital pre-fixed by DefHosp_ Referral Hospital to DefHosp pre-fixed by RefHosp1_ Referral Hospital to RefHosp1 pre-fixed by RefHosp2_ Referral Hospital to RefHosp2 pre-fixed by RefHosp3_ Primary Hospital pre-fixed by PrimHosp_	
<b>PrimaryHosp</b>	<b>First hospital patient presents to</b>	<b>May also be Final Hospital of care (DefHosp) if there was no inter-hospital transfer</b>
<b>RefHosp3</b>	<b>Third referral hospital prior to def care (if 4 hospital presentations)</b>	
<b>RefHosp2</b>	<b>Second referral hospital prior to def care (if 3 hospital presentations)</b>	
<b>RefHosp1</b>	<b>First referral hospital prior to def care (if 2 hospital presentations)</b>	
<b>DefHosp</b>	<b>Final hospital of care</b>	<b>May also be First Hospital of care (PrimaryHosp) if there was no inter-hospital transfer</b>

### 4.1 Admission Identifier

---

<b>Definition</b>	A system generated value that identifies a patient's admission at hospital. If a patient attends more than hospital, there will be more than one Admission Identifier.		
<b>Database Name</b>	AdmissionID	<b>Collection</b>	System generated
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	6	<b>Layout</b>	NNNNNN
<b>Code set</b>	-		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Admission identification		
<b>Data Users</b>	Database Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 4.2 Service level

**Definition** The Victorian State Trauma System designation of the health service

**Database Name** Servicelevel **Collection** Assigned

**Datatype** Numeric **Form** Code

**Field size** 3 **Layout** NNN

**Code set** \_servicelevel (reference table)

Code	Alpha code	Description	MTS Full
99	ALF	Alfred Hospital	MTS
98	RMH	Royal Melbourne Hospital	MTS
97	RCH	Royal Children's Hospital	MTS
96	AUS	Austin Hospital (Spinal)	AUS
9	MeTS	Metropolitan Trauma Service	MeTS
8	RTS	Regional Trauma Service	RTS
6	RUCS	Urgent Care Service	UCS
5	MPCS	Metropolitan Primary Care Service	MPCS
4	RPCS	Regional Primary Care Service	RPCS
3	Non-VSTS	Non-VSTS	Non-VSTS

Outcome Hosp Service Level (variable in data extract)

Code	Description	MTS Full
99	Major Trauma Service	MTS
98	Major Trauma Service	MTS
97	Major Trauma Service	MTS
96	Austin Hospital (Spinal)	AUS
95	Metropolitan Neurosurgical Service	MNS
9	Metropolitan Trauma Service	MeTS
8	Regional Trauma Service	RTS
6	Urgent Care Service	UCS
5	Metropolitan Primary Care Service	MPCS
4	Regional Primary Care Service	RPCS

**Reporting guide** Data extracts variable Outcome Hos Service Level includes all MTS Full categories (including MNS), DefHosp\_ServiceLevel does not include MNS

**Purpose** To identify the VSTS designation of the health service

**Data users** VSTR Staff, DH/TAC Reporting

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** DH/VSTORM

## 4.3 Hospital

---

<b>Definition</b>	The health service or hospital and campus in which the Emergency Department presentation occurred.		
<b>Database Name</b>	Hospital	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	3	<b>Layout</b>	NNN
<b>Code set</b>	_hospital (reference table)		
<b>Reporting guide</b>	Report a valid code from the VSTORM Hospital Code Table.  The Hospital Code Table is based around the Campus Code Table in the VEMD, but includes other hospitals and health services not listed.		
<b>Purpose</b>	To identify the reporting hospital/health service		
<b>Data users</b>	VSTR Staff, DH/TAC Reporting		
<b>Collection start</b>	2002		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	DH/VSTORM		

## 4.4 Medical Record Number (UR)

---

<b>Definition</b>	An identifier, unique to a patient within a particular hospital/health service		
<b>Database Name</b>	MedicalRecord	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	20	<b>Layout</b>	XXXXXXXXXXXXXXXXXXXX
<b>Code set</b>	-		
<b>Reporting guide</b>	Hospital-generated. Individual sites may use their own alphabetic, numeric or alphanumeric coding system		
<b>Related items</b>	Admission Number		
<b>Purpose</b>	Tracking/cross checking with the physical unit record.		
<b>Data users</b>	Data Collectors, VSTR Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	DH/Hospitals		

## 4.5 Admission Number

---

<b>Definition</b>	An identifier of the number of admissions within a particular hospital/health service		
<b>Database Name</b>	AdmissionNo	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	7	<b>Layout</b>	XXXXXXXX
<b>Code set</b>	-		
<b>Reporting guide</b>	Hospital-generated. Individual sites may use their own alphabetic, numeric or alphanumeric coding system		
<b>Related items</b>	Medical Record		
<b>Purpose</b>	Tracking/cross checking with the physical unit record.		
<b>Data users</b>	Data Collectors, VSTR Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	DH/Hospitals		

## 4.6 Arrival Date/Time

---

<b>Definition</b>	The date and time patient was first registered or triaged (whichever comes first), by clerical officer, triage nurse or doctor in the Emergency Department		
<b>Database Name</b>	Arrive	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code Set</b>	A valid date and time not less than the date and time of injury, with a valid 24-hour time (not 00:00 or 24:00)		
<b>Reporting guide</b>	Must be greater than or equal to the Time of Injury, and all ambulance times.  <b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	Length of Stay Calculation		
<b>Data users</b>	Data Collectors, VSTR Staff, DH/TAC Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	DH		

## 4.7 Source

---

<b>Definition</b>	Indicates where the patient has been immediately previous to admission to emergency department		
<b>Database Name</b>	Source	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Code set</b>	_source (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Hospital (Specify)	
	2	LMO	
	3	Scene	
	4	Other (Specify)	
	5	Home	
	-1	Unknown	
<b>Reporting guide</b>	Only one hospital per patient can have a value other than 1 in this field		
<b>Related items</b>	Referral Hospital Source Other		
<b>Purpose</b>	Patient tracking from scene and between hospitals		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH/TAC Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.8 Source Other

---

<b>Definition</b>	Text description of source when one of coded values is not applicable		
<b>Database Name</b>	SourceOther (Specify)	<b>Collection</b>	Mandatory when source = 4 Other
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	-
<b>Code set</b>	-		
<b>Reporting guide</b>	Only complete when source is 4		
<b>Purpose</b>	To clarify the source when one of the coded values is not applicable		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH/TAC Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	DH		

## 4.9 Transfer type

<b>Definition</b>	Indicates whether a trauma patient has had an inter-hospital transfer		
<b>Database Name</b>	Transferred & Transfer_Type	<b>Collection</b>	Derived field
<b>Datatype</b>	Transferred (Numeric)	<b>Form</b>	Code
<b>Datatype</b>	Transfer_Type (Alpha)	<b>Form</b>	Text
<b>Field size</b>	1	<b>Layout</b>	NN
<b>Field size</b>	9	<b>Layout</b>	AAAAAAAAAA
<b>Code set</b>	vwRefHosp (view table)		
	<b>Transferred:</b>		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes	
	<b>Transfer_Type:</b>		
	Primary = 0 transfer (1 hospital)		
	Secondary = 1 transfer (2 hospitals)		
	Tertiary = 2 transfers (3 hospitals)		
	Four = 3 transfers (4 hospitals)		
	<b>Transferred</b>	<b>Transfer_Type</b>	
	0	Primary	
	1	Secondary	
	1	Tertiary	
	1	Four	
<b>Reporting guide</b>	Derived variable based on source to each hospital		
<b>Related items</b>	Referral Hospital Source		
<b>Purpose</b>	Patient tracking between hospitals, available in data extracts		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH/TAC Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.10 Referral Hospital

---

<b>Definition</b>	Identification of the hospital campus the person has been transferred from, following separation from that hospital.		
<b>Database Name</b>	ReferralHosp	<b>Collection</b>	Optional
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	3	<b>Layout</b>	NNN
<b>Code set</b>	_hospital (reference table)		
<b>Reporting guide</b>	Admitted patient episodes where the Source is 1: Transfer from Other Hospital (Otherwise, report -2)  Report a valid code from the VSTR Hospital Code Table.  The Hospital Code Table is based around the Campus Code Table in the VEMD, but includes further hospitals and health services not listed.		
<b>Purpose</b>	To identify the referring hospital/health service for patient tracking, and the study of transfer patients		
<b>Collection start</b>	2002		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	DH/VSTORM		

## 4.11 Hospital Service

---

**Definition** Ambulance service used for patient transport to hospital from the scene of injury/home/LMO/other or between hospitals.

**Database Name** Service **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 2 **Layout** N

**Code Set** \_service (reference table)

<b>Code</b>	<b>Description</b>
-------------	--------------------

1	Metropolitan Ambulance Service (MAS)
2	Rural Ambulance Service (RAV)
3	Air Ambulance Victoria (AAV)
4	Other
5	Private-self present
6	Interstate
7	Private Ambulance
8	Retrieval
9	RFDS (Private amb)
-1	Unknown

**Reporting guide** -

**Purpose** To monitor patterns of ambulance usage for the purpose of ambulance policy and planning

**Data users** VSTORM Staff, Ambulance Services, DH/TAC Reporting

**Collection start** 2001

**Definition source** VSTORM only

**Code source** VSTORM

## 4.12 Service specify

---

<b>Definition</b>	Free text field to record the service to hospital		
<b>Database Name</b>	ServiceOther	<b>Collection</b>	Mandatory if hospital service=4
<b>Datatype</b>	Numeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	AAAAAAAAAAAAAAAA
<b>Code Set</b>	Free text		
<b>Reporting guide</b>	-		
<b>Purpose</b>	To record what method of transport the patient used to arrive at hospital. If patient arrived by a retrieval service, record which retrieval service and mode (eg. ARV-Helicopter).		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH/TACReporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code source</b>	VSTORM		

## 4.13 Hospital Air Mode of Transport

---

<b>Definition</b>	Mode of Air Transport of service used for patient transport to hospital.		
<b>Database Name</b>	Mode	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code Set</b>	_mode (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Fixed wing	
	2	Helicopter	
	-1	Unknown	
	-2	Not applicable	
<b>Reporting guide</b>	1, 2 or -1 Only for Admission data (If ambulance service = 3 Air Ambulance Victoria) or -2 if ambulance service is not Air Ambulance Victoria.		
<b>Purpose</b>	To monitor patterns of air ambulance usage for the purpose of ambulance policy and planning		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.14 Trauma Team Activation

---

<b>Definition</b>	Indicates whether a trauma team was activated		
<b>Database Name</b>	TraumaTeam	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes	
	-1	Unknown	
	-2	Not Applicable	
<b>Reporting guide</b>	-2 used where no Trauma Team process is in place at the health service		
<b>Related items</b>	-		
<b>Purpose</b>	Hospital Systems Performance Quality Indicator		
<b>Data users</b>	DH Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.15 Triage Category

**Definition** Classification according to urgency of need for medical and nursing care, using the National Triage Scale

**Database Name** Triage **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 2 **Layout** N

**Code set** \_triage (reference table)

Code	Description	Recommended time to treatment
1	Resuscitation	Immediate: ≤ 1 minute
2	Emergency	≤ 10 minutes
3	Urgent	≤ 30 minutes
4	Semi urgent	≤ 60 minutes
5	Non urgent	≤ 120 minutes
6	Dead on arrival (inactive)	
-1	Unknown	
-2	Not Applicable	

**Reporting guide** Every Emergency Department presentation. -2 used if did not present to Emergency Dept.

The Triage Category is to be allocated by an experienced registered nurse or medical practitioner, even when the patient did not wait for treatment to commence OR if registration was commenced but not completed.

### Changes in triage category

It is recognised that triage categories may alter during a presentation. The following guideline should be followed when a patient changes Triage Category during an emergency presentation:

- If the triage category of a patient is altered during their presentation, the original Triage Category is to be transmitted to VSTORM (regardless of whether the re-categorisation is higher or lower)
- Changes in Triage Categories may be recorded locally but should not be submitted to the VSTORM; only the original Triage Category should be reported.

### 6 - Dead on arrival

This item is not used as they do not meet the VSTORM inclusion criteria.

**Purpose** To identify and monitor the urgency of a patient's presentation and corresponding time to treatment

**Data users** Hospital Emergency Departments

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** Australasian College for Emergency Medicine/DH/NHDD

## 4.16 Hospital First Recorded Pulse

---

<b>Definition</b>	First recorded pulse of patient on arrival at each hospital, as applicable.		
<b>Database Name</b>	Pulse (Depending on transfer type: PrimHosp_Pulse, RefHosp3_Pulse, RefHosp2_Pulse, RefHosp1_Pulse, DefHosp_Pulse)		
<b>Collection</b>	Mandatory		
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	3	<b>Layout</b>	NNN
<b>Reporting guide</b>	Pulse must be between -1 and 300  -1 indicates that a pulse was not recorded  0 indicates that patient has no recordable pulse		
<b>Purpose</b>	Used as a proxy measure to assess injury severity.		
<b>Data users</b>	Health Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.17 Hospital First Recorded Systolic Blood Pressure

---

<b>Definition</b>	First recorded systolic blood pressure on arrival at each hospital, as applicable.		
<b>Database Name</b>	BloodPressure (Depending on transfer type: PrimHosp_ BloodPressure, RefHosp3_ BloodPressure, RefHosp2_ BloodPressure, RefHosp1_ BloodPressure, DefHosp_ BloodPressure)		
<b>Collection</b>	Mandatory		
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	3	<b>Layout</b>	NNN
<b>Reporting guide</b>	Must be between -1 and 300  -1 indicates that blood pressure was not recorded  0 indicates that patient has no recordable blood pressure		
<b>Purpose</b>	This is an important component of several scoring systems for triage and is one assessment of patient acuity. TRISS Calculation		
<b>Data users</b>	Health Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.18 Hospital First Recorded Respiration Rate

---

<b>Definition</b>	First recorded unassisted patient respiratory rate (expressed as number per minute), arrival at each hospital, as applicable.		
<b>Database Name</b>	Respiration (Depending on transfer type: PrimHosp_ Respiration, RefHosp3_ Respiration, RefHosp2_ Respiration, RefHosp1_ Respiration, DefHosp_ Respiration)		
<b>Collection</b>	Mandatory		
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Reporting guide</b>	Must be between -1 and 99  -1 indicates that respiration rate was not recorded		
<b>Purpose</b>	Component of several triage scoring systems and provides one assessment of severity of illness or surgery. TRISS Calculation		
<b>Data users</b>	Health Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.19 Hospital First Recorded Respiration Rate

### Qualifier

---

<b>Definition</b>	Whether the respiration rate at each hospital, as applicable, is legitimate with no forms of mechanical or assisted ventilation.		
<b>Database Name</b>	RespQualifier (Depending on transfer type: PrimHosp_RespQualifier, RefHosp3_RespQualifier, RefHosp2_RespQualifier, RefHosp1_RespQualifier, DefHosp_RespQualifier)		
<b>Collection</b>	Mandatory		
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code set</b>	_respQualifier (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Legitimate	
	2	Mechanical Ventilation	
	3	Bag Mask Ventilation	
	-1	Unknown	
<b>Purpose</b>	To qualify first recorded respiration rate		
<b>Data users</b>	Health Services, DH/TAC Reporting		
<b>Collection start</b>	1/7/2005		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.20 Hospital First Recorded Oxygen Saturation

---

<b>Definition</b>	First recorded oxygen saturation		
<b>Database Name</b>	Oxygen (Depending on transfer type: PrimHosp_Oxygen, RefHosp3_Oxygen, RefHosp2_Oxygen, RefHosp1_Oxygen, DefHosp_Oxygen)		
<b>Collection</b>	Mandatory		
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	3	<b>Layout</b>	NNN
<b>Reporting guide</b>	Must be between -1 and 300  -1 indicates that oxygen saturation was not recorded		
<b>Purpose</b>	Used as a proxy measure to assess injury severity.		
<b>Data users</b>	Health Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.21 Hospital First Recorded Oxygen Fraction

---

**Definition** The fraction of inspired oxygen delivered at the time the oxygen saturation was measured, on arrival at each hospital, as applicable.

**Database Name** OxygenFraction (Depending on transfer type: PrimHosp\_OxygenFraction, RefHosp3\_OxygenFraction, RefHosp2\_OxygenFraction, RefHosp1\_OxygenFraction, DefHosp\_OxygenFraction)

**Collection** Mandatory

**Datatype** Numeric **Form** Integer

**Field size** 3 **Layout** NNN

**Code set** -

**Reporting guide** The fraction of inspired oxygen delivered by facemasks or nasal catheters will be dependent on various factors such as patient ventilation, how well the mask is sealed, and peak inspiratory flow rate.

-1 indicates that the fraction of inspired oxygen was not recorded.

The table below shows the approximate conversion of litres per minute to fraction of inspired oxygen.

Oxygen flow rate (l/min)	Approximate Fraction
Room air	21%
4 l/min	35%
6 l/min	50%
8 l/min	55%
10 l/min	60%
12 l/min	65%
15 l/min	70%

(Oh TE, 1997, Intensive Care Manual, 4<sup>th</sup> Edition, Butterworth Heinemann)

**Purpose** The amount of oxygen delivered to a patient has a direct impact on the oxygen saturation measurement.

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** VSTORM

## 4.22 Hospital First Recorded Temperature

---

<b>Definition</b>	First recorded temperature (in Celsius) on arrival at each hospital, as applicable.		
<b>Database Name</b>	Temperature (Depending on transfer type: PrimHosp_Temperature, RefHosp3_Temperature, RefHosp2_Temperature, RefHosp1_Temperature, DefHosp_Temperature)		
<b>Collection</b>	Mandatory		
<b>Datatype</b>	Numeric	<b>Form</b>	Decimal
<b>Field size</b>	4	<b>Layout</b>	NN.N
<b>Code set</b>	-		
<b>Reporting guide</b>	Temperature must be between 20.0 and 50.0  -1 indicates Unknown		
<b>Purpose</b>	Temperature is a useful measurement of patient vital status. While minor temperature variations are generally non-specific diagnostic tools, remarkable high or low temperatures can signal significant organ decomposition for the injured patient. Hypothermia can present significant issues.		
<b>Data users</b>	Clinicians, Epidemiologists, Health Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.23 Hospital First Recorded pH

---

<b>Definition</b>	Documents the measure of acidity or alkalinity (arterial or venous) in a patient on arrival at each hospital, as applicable.		
<b>Database Name</b>	pH (Depending on transfer type: PrimHosp_pH, RefHosp3_pH, RefHosp2_pH, RefHosp1_pH, DefHosp_pH)		
<b>Collection</b>	Mandatory		
<b>Datatype</b>	Numeric	<b>Form</b>	Number
<b>Field size</b>	4	<b>Layout</b>	
<b>Code Set</b>	-		
<b>Reporting guide</b>	Between 6.8 and 7.8, or -1 The reference range for arterial pH is between 7.36 and 7.44, however, the range allowed by VSTORM is the limit of survival, which is between 6.8 and 7.8.  -1 indicates that there was no recorded pH value		
<b>Purpose</b>	To aid in the assessment of a patient's condition on arrival		
<b>Data users</b>	Clinicians, Epidemiologists, Health Services, DH/TAC Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.24 Hospital First Recorded GCS - Eye

---

**Definition** Indication of the responsiveness to stimuli by eye opening, first recorded on arrival at each hospital, as applicable.

**Database Name** GCSEye (Depending on transfer type: PrimHosp\_Eye, RefHosp3\_Eye, RefHosp2\_Eye, RefHosp1\_Eye, DefHosp\_Eye)

**Collection** Mandatory

**Datatype** Numeric **Form** Integer

**Field size** 2 **Layout** N

**Code set** \_gcsEye (reference table)

Score	Adult	Child	Infant
4	Spontaneous	Spontaneous	Spontaneous
3	Voice	Verbal Stimuli	Verbal Stimuli
2	Pain	Pain	Pain
1	None	No Response	No Response
-1	No recorded value		

**Reporting guide** -

**Related items** GCS Verbal, GCS Motor, GCS Qualifier, GCS Total

**Purpose** This is an important component of several scoring systems and is useful in the assessment of coma and impaired consciousness  
TRISS Calculation

**Data users** Clinicians, Epidemiologists, Health Services, DH Reporting

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** Teasdale, G. Assessment of coma and impaired consciousness, Lancet 1974/VSTORM

## 4.25 Hospital First Recorded GCS - Verbal

<b>Definition</b>	Indication of the style of verbal response from a patient on arrival at each hospital, as applicable.		
<b>Database Name</b>	GCSVerbal (Depending on transfer type: PrimHosp_Verbal, RefHosp3_Verbal, RefHosp2_Verbal, RefHosp1_Verbal, DefHosp_Verbal)		
<b>Collection</b>	Mandatory		
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code set</b>	_gcsVerbal (reference table)		

Score	Adult	Child	Infant
5	Oriented	Oriented	Coos, babbles
4	Confused	Confused	Irritable, cries
3	Inappropriate words	Inappropriate words	Cries to pain
2	Incomprehensible words	Cries, Incomprehensible sounds	Moans to pain
1	None	No response	No response
-1	No recorded value		

<b>Reporting guide</b>	-
<b>Related items</b>	GCS Eye, GCS Motor, GCS Qualifier, GCS Total
<b>Purpose</b>	This is an important component of several scoring systems and is useful in the assessment of coma and impaired consciousness TRISS Calculation
<b>Data users</b>	Clinicians, Epidemiologists, Health Services, DH Reporting
<b>Collection start</b>	2001
<b>Definition source</b>	VSTORM only
<b>Code set source</b>	Teasdale, G. Assessment of coma and impaired consciousness, Lancet 1974/VSTORM

## 4.26 Hospital First Recorded GCS - Motor

**Definition** Indication of motor response from a patient on arrival at each hospital, as applicable.

**Database Name** GCSMotor (Depending on transfer type: PrimHosp\_Motor, RefHosp3\_Motor, RefHosp2\_Motor, RefHosp1\_Motor, DefHosp\_Motor)

**Collection** Mandatory

**Datatype** Numeric **Form** Integer

**Field size** 2 **Layout** N

**Code set** \_gcsMotor (reference table)

Score	Adult	Child	Infant
6	Obeys commands	Obeys commands	Moves spontaneously
5	Localises pain	Localises painful stimulus	Withdraws to touch
4	Withdraws to pain	Withdraws to pain	Withdraws to pain
3	Flexion in pain	Flexion to pain	Decorticate posturing to pain
2	Extension to pain	Extension to pain	Decerebrate posturing to pain
1	None	No Response	No Response
-1	No recorded value		

**Reporting guide** -

**Related items** GCS Eye, GCS Verbal, GCS Total, GCS Qualifier

**Purpose** This is an important component of several scoring systems and is useful in the assessment of coma and impaired consciousness  
TRISS Calculation

**Data users** Clinicians, Epidemiologists, Health Services, DH Reporting

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** Teasdale, G. Assessment of coma and impaired consciousness, Lancet 1974/VSTORM

## 4.27 Hospital First Recorded GCS - Total

---

<b>Definition</b>	The sum of the three Glasgow Coma Scale components on arrival at each hospital, as applicable: Eye Opening, Verbal Response and Motor Response.		
<b>Database Name</b>	GCSTotal (Depending on transfer type: PrimHosp_GCSTotal, RefHosp3_GCSTotal, RefHosp2_GCSTotal, RefHosp1_GCSTotal, DefHosp_GCSTotal)		
<b>Collection</b>	Mandatory		
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Code set</b>	-		
<b>Reporting guide</b>	Values must be between 3 and 15 or -1  -1 is used only when a score cannot be calculated		
<b>Related items</b>	GCS Eye, GCS Verbal, GCS Motor, GCS Qualifier		
<b>Purpose</b>	This is an important component of several scoring systems and is useful in the assessment of coma and impaired consciousness TRISS Calculation		
<b>Data users</b>	Clinicians, Epidemiologists, Health Services, Ambulance Services, DH Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Teasdale, G. Assessment of coma and impaired consciousness, Lancet 1974/VSTORM		

## 4.28 Hospital First Recorded GCS - Qualifier

---

<b>Definition</b>	Indication of the legitimacy of the first calculated Glasgow Coma Scale on arrival at each hospital, as applicable		
<b>Database Name</b>	GCSQualifier (Depending on transfer type: PrimHosp_GCSQualifier, RefHosp3_GCSQualifier, RefHosp2_GCSQualifier, RefHosp1_GCSQualifier, DefHosp_GCSQualifier)		
<b>Collection</b>	Mandatory		
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code set</b>	_gcs (reference table)		
	<b>Code</b>	<b>Description</b>	
	1.	Legitimate	
	2.	Sedated	
	3.	Intubated	
	4.	Paralysed and intubated	
	5.	Sedated and intubated	
	6.	Altered by database	
	7.	Existing Neuro Deficit	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Related items</b>	GCS Eye, GCS Verbal, GCS Motor, GCS Total		
<b>Purpose</b>	This must be known in order to evaluate the legitimacy of the Glasgow Coma Scale, which impacts on several trauma scoring systems. TRISS Calculation		
<b>Data users</b>	Clinicians, Epidemiologists, Health Services, Ambulance Services, DH Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Trauma Databank Dictionary, American College of Surgeons		

## 4.29 First 24 Hours Intubation

---

<b>Definition</b>	Definitive airway management (this includes LMA) in the first 24 hours (in Emergency Department or ICU). Only record intubation in the Operating Room if it occurs in the first 24 hours, and the patient is not extubated after surgery. Knowledge of the procedures performed in the ED is necessary in identifying quality control indicators and as a proxy measurement for severity of injury (NTDB, American College of Surgeons). If a patient has been intubated prior to the emergency department, either from the ambulance service or referral hospital, record NO.		
<b>Database Name</b>	Intubation (Depending on transfer type: PrimHosp_Intubation, RefHosp3_Intubation, RefHosp2_Intubation, RefHosp1_Intubation, DefHosp_Intubation)		
<b>Collection</b>	Mandatory		
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes	
	-1	Unknown	
<b>Reporting guide</b>	Record if patient was intubated within 24 hours of arrival at the hospital (otherwise intubation is recorded in pre-hospital data or as a procedure in the operation table).		
<b>Related Items</b>	Intubation Date		
<b>Purpose</b>	Hospital Systems Performance Quality Indicator		
<b>Data users</b>	DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.30 First 24 Hours Intubation Date

---

<b>Definition</b>	Date and time the patient received definitive airway management in the first 24 hours		
<b>Database Name</b>	IntubationDate Intubation (Depending on transfer type: PrimHosp_IntubationDate, RefHosp3_IntubationDate, RefHosp2_IntubationDate, RefHosp1_IntubationDate, DefHosp_IntubationDate)		
<b>Collection</b>	Mandatory if Intubation = 1 (yes)		
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code set</b>	A valid date after 01/07/2001 and valid 24-hour time (not 00:00 or 24:00)		
<b>Reporting guide</b>	Only if intubation occurred in the first 24 hours (otherwise intubation is recorded as a procedure in the operation table). If date/time was not documented, use 09/09/9999 00:00		
	<b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Related Items</b>	Intubation		
<b>Purpose</b>	Calculation of Time To Intubation		
<b>Data users</b>	DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.31 First 24 Hours Head CT

---

<b>Definition</b>	Whether the patient received first computed tomography of the head during the first 24 hours of admission		
<b>Database Name</b>	CT	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Related Items</b>	Head CT Date		
<b>Purpose</b>	Hospital Systems Performance Quality Indicator		
<b>Data users</b>	DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.32 First 24 Hours Head CT Date

---

<b>Definition</b>	Date and time the patient received first computed tomography of the head during the first 24 hours of admission		
<b>Database Name</b>	HeadCT (Depending on transfer type: PrimHosp_HeadCT, RefHosp3_HeadCT, RefHosp2_HeadCT, RefHosp1_HeadCT, DefHosp_HeadCT)		
<b>Collection</b>	Optional		
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code set</b>	A valid date after 01/07/2001 and valid 24-hour time (not 00:00 or 24:00) and less than 24 hours after Arrival		
<b>Reporting guide</b>	Only if Head CT occurred in emergency department within 24 hours. If date/time was not documented, use 09/09/9999 00:00  <b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Related Items</b>	Head CT		
<b>Purpose</b>	Calculation of Time To Head CT Hospital Systems Performance Quality Indicator		
<b>Data users</b>	DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.33 Alcohol Test Type

---

<b>Definition</b>	The type of alcohol test used		
<b>Database Name</b>	<i>AlcoholTestType</i>	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code set</b>	<i>_alcoholtest</i> (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Results were from blood test	
	2	Results were from breath test	
	-1	Police Test	
	-2	Alcohol detected but no value	
	-3	No test results available	
	9	Unknown Test Type	
<b>Reporting guide</b>	This field must be completed for all episodes of care. 1 or 2 must be indicated if the value of Alcohol Test is not -1 or -2		
<b>Purpose</b>	Alcohol can affect a patient's Glasgow Coma Scale, and has also been associated with outcomes. All patients in road crashes are legally required to be tested for alcohol, therefore if emergency departments do not complete this test, there may be potential legal issues.		
<b>Data users</b>	Clinicians, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.34 Alcohol Amount

---

**Definition** The amount and/or type of alcohol test completed.

**Database Name** Alcohol (gm%) **Collection** Optional

**Datatype** Numeric **Form** Decimal

**Field size** 4 **Layout** N.NN

**Code set** -

**Reporting guide** Range = -3 – 1

**Code Description**

-1 Police Test  
-2 Alcohol detected but no value  
-3 No test results available

0.00 – 1.00 Indicates the tested blood alcohol concentration in gm%  
Measurements in mmol/L are not allowed.

When both blood and breath tests results are available, the blood result will be used.

Formula for conversion of Ethanol mmol/L to gm%:  
 $gm\% = (mmol/L)/217.1$

**Purpose** Alcohol can affect a patient's Glasgow Coma Scale, and has also been associated with outcomes. All patients in road crashes are legally required to be tested for alcohol.

**Data users** Clinicians, DH Reporting, Epidemiologists

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** VSTORM

## 4.35 Departure Status

---

**Definition** Patient status and/or destination on departure from the Emergency Department

**Database Name** DepartureStatus **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 2 **Layout** N

**Code set** \_departurestatus (reference table)

Code	Description
1	Ward
2	ICU
3	OR/Angio then Ward
4	OR/Angio then Death
5	OR/Angio then ICU
6	Death in ED
7	Transfer
8	OR/Ang then Transfer
9	Other (Specify)
-1	Unknown

**Reporting guide** -

**Purpose** To identify and monitor the status and location of patients on departure from the ED

**Data users** Data Collectors, Clinicians, DH Reporting, Epidemiologists

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** DH /VSTORM

## 4.36 Departure Status other

---

<b>Definition</b>	Other departure status specified		
<b>Database Name</b>	DepStatusOther	<b>Collection</b>	Mandatory if departurestatus=9
<b>Datatype</b>	Aphanumeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	AAAAAAAAAAAAAAAAAAAAA
<b>Code set</b>	-		
<b>Reporting guide</b>	Recorded if departure status = 9 (other, specify)		
<b>Purpose</b>	To identify and monitor the status and location of patients on departure from the ED		
<b>Data users</b>	Data Collectors, Clinicians, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	DH/VSTORM		

## 4.38 Departure Time

---

<b>Definition</b>	The date and time the patient physically leaves the Emergency Department		
<b>Database Name</b>	DepartureTime	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code set</b>	A valid date and time after Arrival time in valid 24-hour time (not 00:00 or 24:00)		
<b>Reporting guide</b>	Must be no earlier than Arrival Date and Time		
	<b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	Calculation of Time in Emergency Department		
<b>Data users</b>	Data Collectors, Epidemiologists, DH Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	DH/VSTORM		

## 4.39 ICU Length of Stay

---

<b>Definition</b>	Length of stay, in days, that the patient spent in an Intensive Care Unit (ICU) during their length of stay at the hospital.		
<b>Database Name</b>	ICU Days	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	3	<b>Layout</b>	NNN
<b>Code set</b>	Must be between -1 and 365  -1 indicates an unknown length of stay  0 indicates the patient was not admitted to ICU during stay at the hospital		
<b>Reporting guide</b>	ICU Length of Stay is recorded in days and rounded up to the next day such that any time spent in ICU after midnight, time code 00:00, qualifies as a day in ICU. The total days in ICU should include the initial days in an ICU as well as subsequent days spent as a readmission to an ICU after discharge to the step down unit or the floor. Part of a day is counted as 1 day (eg. 2 <sup>nd</sup> July to 8 <sup>th</sup> July = 7 Days) ICUDays in main table refers to number of days in ICU at definitive care hospital.		
<b>Purpose</b>	ICU length of stay is one important measure of the patient care process.		
<b>Data users</b>	DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	NTDB/VSTORM		

## 4.40 ICU Greater Than 24 Hours\_ICU hours

---

**Definition** Whether the length of stay in an Intensive Care Unit was greater than 24 hours.

**Database Name** ICU24 **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 1 **Layout** N

**Code set** \_question (reference table)

Code	Description
0	No
1	Yes
-1	Unknown

**Reporting guide** -

**Purpose** The Ministerial Taskforce and Emergency Services 1999 defined admission to an Intensive Care Unit for more than 24 hours requiring mechanical ventilation as one definition for major trauma.

**Data users** DH Reporting, Epidemiologists

**Collection start** 2019

**Definition source** VSTORM only

**Code set source** VSTORM

**Definition** Hours in ICU to validate ICU greater than 24 hours

**Database Name** ICUHours **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 1 **Layout** N

**Code set** -

**Reporting guide** 0 if did not go to ICU, -1 if hours in unknown, value of known hours in ICU.

**Purpose** The Ministerial Taskforce and Emergency Services 1999 defined admission to an Intensive Care Unit for more than 24 hours requiring mechanical ventilation as one definition for major trauma.

**Data users** DH Reporting, Epidemiologists

**Collection start** 2019

**Definition source** VSTORM only

**Code set source** VSTORM

## 4.41 Ventilated Hours

---

<b>Definition</b>	The number of hours of mechanical ventilator assistance of an airway the patient received (includes in ED and ICU if applicable).		
<b>Database Name</b>	Ventilated	<b>Collection</b>	Optional
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	3	<b>Layout</b>	NNN
<b>Code set</b>	-		
<b>Reporting guide</b>	-1 indicates an unknown number of hours ventilated		
	Includes all intubated patients on ventilators, or patients with tracheostomies while on mechanical ventilation		
	Excludes tracked patients breathing on flow-bys, patients breathing mask oxygen, and patients intubated only part of a day for a surgical procedure		
	Ventilated in main table refers to number of hours of mechanical ventilation at definitive care hospital		
<b>Purpose</b>	The Ministerial Taskforce and Emergency Services 1999 defined admission to an Intensive Care Unit for more than 24 hours requiring mechanical ventilation as one criteria for major trauma		
<b>Data users</b>	DH Reporting, Clinicians, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 4.42 Blood Given after 24 hours

---

**Definition** Indicates whether the patient received a blood transfusion after the first 24 hours of hospital stay. This does not include blood products such as platelets and albumin.

**Database Name** BloodGiven **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 1 **Layout** N

**Code set** \_question (reference table)

<b>Code</b>	<b>Description</b>
-------------	--------------------

1	Yes
---	-----

0	No
---	----

-1	Unknown
----	---------

**Purpose** -

**Data users** Clinicians, Epidemiologists

**Collection start** 2001

**Definition source** VSTORM only

**Code set source** VSTORM

## 4.43 Paediatric Airway

---

<b>Definition</b>	Indicates whether the patient's airway was maintainable on arrival at emergency department														
<b>Database Name</b>	PaediatricAirway	<b>Collection</b>	Optional												
<b>Datatype</b>	Numeric	<b>Form</b>	Code												
<b>Field size</b>	1	<b>Layout</b>	N												
<b>Code Set</b>	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>2</td><td>Patient airway is normal</td></tr><tr><td>1</td><td>Patient airway is maintainable</td></tr><tr><td>-1</td><td>Patient airway is unmaintainable</td></tr><tr><td>9</td><td>Patient airway status was not recorded</td></tr><tr><td>-2</td><td>Not Applicable</td></tr></tbody></table>	Code	Description	2	Patient airway is normal	1	Patient airway is maintainable	-1	Patient airway is unmaintainable	9	Patient airway status was not recorded	-2	Not Applicable		
Code	Description														
2	Patient airway is normal														
1	Patient airway is maintainable														
-1	Patient airway is unmaintainable														
9	Patient airway status was not recorded														
-2	Not Applicable														
<b>Reporting guide</b>	All patients under 16 years of age in all episodes of care														
<b>Purpose</b>	The airway status of a child is one component of the Paediatric Trauma Score (PTS), which was developed as a field triage tool for children														
<b>Data users</b>	Paediatricians, Epidemiologists														
<b>Collection start</b>	2001														
<b>Definition source</b>	VSTORM only														
<b>Code set source</b>	VSTORM														

## 4.44 Paediatric CNS

---

<b>Definition</b>	Indicates the status of the patient's central nervous system on arrival at emergency department														
<b>Database Name</b>	PaediatricCNS	<b>Collection</b>	Optional												
<b>Datatype</b>	Numeric	<b>Form</b>	Code												
<b>Field size</b>	1	<b>Layout</b>	N												
<b>Code Set</b>	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>2</td><td>Patient is awake</td></tr><tr><td>1</td><td>Patient airway is maintainable</td></tr><tr><td>-1</td><td>Patient airway is unmaintainable</td></tr><tr><td>9</td><td>Patient airway status was not recorded</td></tr><tr><td>-2</td><td>Not Applicable</td></tr></tbody></table>	Code	Description	2	Patient is awake	1	Patient airway is maintainable	-1	Patient airway is unmaintainable	9	Patient airway status was not recorded	-2	Not Applicable		
Code	Description														
2	Patient is awake														
1	Patient airway is maintainable														
-1	Patient airway is unmaintainable														
9	Patient airway status was not recorded														
-2	Not Applicable														
<b>Reporting guide</b>	All patients under 16 years of age in all episodes of care														
<b>Purpose</b>	The airway status of a child is one component of the Paediatric Trauma Score (PTS), which was developed as a field triage tool for children														
<b>Data users</b>	Paediatricians, Epidemiologists														
<b>Collection start</b>	2001														
<b>Definition source</b>	VSTORM only														
<b>Code set source</b>	VSTORM														

## 4.45 Paediatric Cutaneous

---

<b>Definition</b>	Indicates the status of the patient's cutaneous injury on arrival at emergency department														
<b>Database Name</b>	PaediatricCutaneous	<b>Collection</b>	Optional												
<b>Datatype</b>	Numeric	<b>Form</b>	Code												
<b>Field size</b>	1	<b>Layout</b>	N												
<b>Code Set</b>	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>2</td><td>Patient has no cutaneous injury</td></tr><tr><td>1</td><td>Patient has minor cutaneous</td></tr><tr><td>-1</td><td>Patient has major/penetrating cutaneous injury</td></tr><tr><td>9</td><td>Patient cutaneous injury was not recorded</td></tr><tr><td>-2</td><td>Not Applicable</td></tr></tbody></table>	Code	Description	2	Patient has no cutaneous injury	1	Patient has minor cutaneous	-1	Patient has major/penetrating cutaneous injury	9	Patient cutaneous injury was not recorded	-2	Not Applicable		
Code	Description														
2	Patient has no cutaneous injury														
1	Patient has minor cutaneous														
-1	Patient has major/penetrating cutaneous injury														
9	Patient cutaneous injury was not recorded														
-2	Not Applicable														
<b>Reporting guide</b>	All patients under 16 years of age in all episodes of care														
<b>Purpose</b>	The cutaneous injury status of a child is one component of the Paediatric Trauma Score (PTS), which was developed as a field triage tool for children														
<b>Data users</b>	Paediatricians, Epidemiologists														
<b>Collection start</b>	2001														
<b>Definition source</b>	VSTORM only														
<b>Code set source</b>	VSTORM														

## 4.46 Paediatric Skeletal Injury

---

<b>Definition</b>	Indicates the status of the patient's skeletal injury on arrival at emergency department														
<b>Database Name</b>	PaediatricSkeletal	<b>Collection</b>	Optional												
<b>Datatype</b>	Numeric	<b>Form</b>	Code												
<b>Field size</b>	1	<b>Layout</b>	N												
<b>Code Set</b>	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>2</td><td>Patient has no skeletal injury</td></tr><tr><td>1</td><td>Patient has single closed fracture</td></tr><tr><td>-1</td><td>Patient has open or multiple fractures</td></tr><tr><td>9</td><td>Patient skeletal injury was not recorded</td></tr><tr><td>-2</td><td>Not Applicable</td></tr></tbody></table>	Code	Description	2	Patient has no skeletal injury	1	Patient has single closed fracture	-1	Patient has open or multiple fractures	9	Patient skeletal injury was not recorded	-2	Not Applicable		
Code	Description														
2	Patient has no skeletal injury														
1	Patient has single closed fracture														
-1	Patient has open or multiple fractures														
9	Patient skeletal injury was not recorded														
-2	Not Applicable														
<b>Reporting guide</b>	All patients under 16 years of age in all episodes of care														
<b>Purpose</b>	The skeletal injury status of a child is one component of the Paediatric Trauma Score (PTS), which was developed as a field triage tool for children														
<b>Data users</b>	Paediatricians, Epidemiologists														
<b>Collection start</b>	2001														
<b>Definition source</b>	VSTORM only														
<b>Code set source</b>	VSTORM														

## 4.47 Paediatric Weight

---

<b>Definition</b>	Indicates the patient's weight range.														
<b>Database Name</b>	PaediatricWeight	<b>Collection</b>	Optional												
<b>Datatype</b>	Numeric	<b>Form</b>	Code												
<b>Field size</b>	1	<b>Layout</b>	N												
<b>Code Set</b>	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>2</td><td>Patient weighs over 20 kilograms</td></tr><tr><td>1</td><td>Patient weighs between 10 and 20 kilograms</td></tr><tr><td>-1</td><td>Patient weighs less than 10 kilograms</td></tr><tr><td>9</td><td>Patient's weight was not recorded</td></tr><tr><td>-2</td><td>Not Applicable</td></tr></tbody></table>	Code	Description	2	Patient weighs over 20 kilograms	1	Patient weighs between 10 and 20 kilograms	-1	Patient weighs less than 10 kilograms	9	Patient's weight was not recorded	-2	Not Applicable		
Code	Description														
2	Patient weighs over 20 kilograms														
1	Patient weighs between 10 and 20 kilograms														
-1	Patient weighs less than 10 kilograms														
9	Patient's weight was not recorded														
-2	Not Applicable														
<b>Reporting guide</b>	All patients under 16 years of age in all episodes of care														
<b>Purpose</b>	The weight of a child is one component of the Paediatric Trauma Score (PTS), which was developed as a field triage tool for children.														
<b>Data users</b>	Paediatricians, Epidemiologists														
<b>Collection start</b>	2001														
<b>Definition source</b>	VSTORM only														
<b>Code set source</b>	VSTORM														

## 4.48 Paediatric BP

---

<b>Definition</b>	Indicates the patient's BP on arrival.														
<b>Database Name</b>	PaediatricBP	<b>Collection</b>	Derived												
<b>Datatype</b>	Numeric	<b>Form</b>	Code												
<b>Field size</b>	1	<b>Layout</b>	N												
<b>Code Set</b>	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>2</td><td>Systolic BP&gt;90mmHg</td></tr><tr><td>1</td><td>Systolic BP 50-90mmHg</td></tr><tr><td>-1</td><td>Systolic BP&lt;50mmHg</td></tr><tr><td>9</td><td>Systolic BP was not recorded</td></tr><tr><td>-2</td><td>Not Applicable</td></tr></tbody></table>	Code	Description	2	Systolic BP>90mmHg	1	Systolic BP 50-90mmHg	-1	Systolic BP<50mmHg	9	Systolic BP was not recorded	-2	Not Applicable		
Code	Description														
2	Systolic BP>90mmHg														
1	Systolic BP 50-90mmHg														
-1	Systolic BP<50mmHg														
9	Systolic BP was not recorded														
-2	Not Applicable														
<b>Reporting guide</b>	All patients under 16 years of age in all episodes of care														
<b>Purpose</b>	The weight of a child is one component of the Paediatric Trauma Score (PTS), which was developed as a field triage tool for children.														
<b>Data users</b>	Paediatricians, Epidemiologists														
<b>Collection start</b>	2001														
<b>Definition source</b>	VSTORM only														
<b>Code set source</b>	VSTORM														

## 4.49 Service Retrieval other (Inactive)

---

<b>Definition</b>	Other retrieval service (see 4.12 Service specify)		
<b>Database Name</b>	VSTORM	<b>Collection</b>	Currently inactive
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	-	<b>Layout</b>	-
<b>Code Set</b>	-		
<b>Reporting guide</b>	-		
<b>Purpose</b>	-		
<b>Data users</b>	-		
<b>Collection start</b>	-		
<b>Definition source</b>	VSTORM		
<b>Code set source</b>	VSTORM		

## 4.50 VSTORM

---

<b>Definition</b>	The VSTORM status of the case.										
<b>Database Name</b>	VSTORM	<b>Collection</b>	System generated								
<b>Datatype</b>	Numeric	<b>Form</b>	Code								
<b>Field size</b>	1	<b>Layout</b>	N								
<b>Code Set</b>	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>1</td><td>Case meets VSTORM criteria</td></tr><tr><td>0</td><td>Case doesn't meet VSTORM criteria</td></tr><tr><td>-1</td><td>VSTORM criteria unknown</td></tr></tbody></table>	Code	Description	1	Case meets VSTORM criteria	0	Case doesn't meet VSTORM criteria	-1	VSTORM criteria unknown		
Code	Description										
1	Case meets VSTORM criteria										
0	Case doesn't meet VSTORM criteria										
-1	VSTORM criteria unknown										
<b>Reporting guide</b>	All patients on the registry will be allocated a VSTORM status. This can be updated by the Registry data manager.										
<b>Purpose</b>	Determine if a patient meets VSTORM criteria.										
<b>Data users</b>	VSTORM Staff, DH Reporting, Epidemiologists										
<b>Collection start</b>	2001										
<b>Definition source</b>	VSTORM only										
<b>Code set source</b>	VSTORM										

## 4.51 Major

<b>Definition</b>	The VSTORM major status of the case.										
<b>Database Name</b>	Major	<b>Collection</b>	System generated								
<b>Datatype</b>	Numeric	<b>Form</b>	Code								
<b>Field size</b>	1	<b>Layout</b>	N								
<b>Code Set</b>	<table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Case meets VSTORM major trauma criteria Variables criteria met (1=yes, 0=No, -1 = Unknown): <b>Dead</b> = In-hospital death <b>ISS12 (previously ISS15 in main table)</b> = initially met ISS &gt; 15, from 1 July 2010 ISS &gt; 12 <b>ICUVent</b> = ICU &gt; 24 hours with mechanical ventilation <b>Surgery</b> = Urgent surgery <b>Burns20-29</b> = Burns, 2<sup>nd</sup> or 3<sup>rd</sup> degree; partial or full thickness 20-29% (Patients aged 5 years and older: AIS2008 code 912018.3)</td> </tr> <tr> <td>0</td> <td>Case doesn't meet VSTORM major trauma criteria</td> </tr> <tr> <td>-1</td> <td>VSTORM major trauma criteria unknown</td> </tr> </tbody> </table>			Code	Description	1	Case meets VSTORM major trauma criteria Variables criteria met (1=yes, 0=No, -1 = Unknown): <b>Dead</b> = In-hospital death <b>ISS12 (previously ISS15 in main table)</b> = initially met ISS > 15, from 1 July 2010 ISS > 12 <b>ICUVent</b> = ICU > 24 hours with mechanical ventilation <b>Surgery</b> = Urgent surgery <b>Burns20-29</b> = Burns, 2 <sup>nd</sup> or 3 <sup>rd</sup> degree; partial or full thickness 20-29% (Patients aged 5 years and older: AIS2008 code 912018.3)	0	Case doesn't meet VSTORM major trauma criteria	-1	VSTORM major trauma criteria unknown
Code	Description										
1	Case meets VSTORM major trauma criteria Variables criteria met (1=yes, 0=No, -1 = Unknown): <b>Dead</b> = In-hospital death <b>ISS12 (previously ISS15 in main table)</b> = initially met ISS > 15, from 1 July 2010 ISS > 12 <b>ICUVent</b> = ICU > 24 hours with mechanical ventilation <b>Surgery</b> = Urgent surgery <b>Burns20-29</b> = Burns, 2 <sup>nd</sup> or 3 <sup>rd</sup> degree; partial or full thickness 20-29% (Patients aged 5 years and older: AIS2008 code 912018.3)										
0	Case doesn't meet VSTORM major trauma criteria										
-1	VSTORM major trauma criteria unknown										
<b>Reporting guide</b>	All VSTORM patients on the registry with definitive care outcome will be allocated a VSTORM major trauma status.										
<b>Purpose</b>	Determine if a patient meets VSTORM major trauma criteria. Stored in vvmajorminor static table. All cases coded according to AIS2008 in the VSTRdata snapshot.										
<b>Data users</b>	VSTORM Staff, DH Reporting, Epidemiologists										
<b>Collection start</b>	2001 – Burns criterion added from date of injury 1 July 2017										
<b>Definition source</b>	VSTORM only										
<b>Code set source</b>	VSTORM										

## 4.52 VOTOR

---

<b>Definition</b>	The VOTOR status of the case.		
<b>Database Name</b>	VOTOR	<b>Collection</b>	Derived
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	<b>Code</b>	<b>Description</b>	
	2	Case meets VOTOR criteria	
	1	Case meets VOTOR potential criteria	
	0	Case doesn't meet VOTOR criteria	
<b>Reporting guide</b>	All patients on the registry will be allocated a VOTOR status, potential cases will be updated by VOTOR project coordinator. This field can be updated by the VOTOR project coordinator or the Registry data manager.		
<b>Purpose</b>	Determine if a patient meets VOTOR criteria		
<b>Data users</b>	VSTR Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2003		
<b>Definition source</b>	VOTOR only		
<b>Code set source</b>	VOTOR		

## 4.53 CRG Filter 1 non-MTS transfer

---

<b>Definition</b>	Did this admission meet Case Review Group (CRG) filter 1, non-MTS transfer?		
<b>Database Name</b>	CaseReviewFilter1	<b>Collection</b>	VSTORM staff only
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes	
	-2	Not applicable	
<b>Reporting guide</b>	VSTORM staff to determine if the case met the CRG filter 1, non-MTS transfer		
<b>Purpose</b>	To identify cases that meet the CRG filter for possible presentation at the Department of Health and Human Services CRG meeting.		
<b>Data users</b>	Case Review Group only		
<b>Collection start</b>	2006		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.54 CRG Filter 2 non-MTS def care

---

<b>Definition</b>	Did this admission meet Case Review Group (CRG) filter 2, non-MTS def care?		
<b>Database Name</b>	CaseReviewFilter2	<b>Collection</b>	VSTORM staff only
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes	
	-2	Not applicable	
<b>Reporting guide</b>	VSTORM staff to determine if the case met the CRG filter 2, non-MTS def care		
<b>Purpose</b>	To identify cases that meet the CRG filter for possible presentation at the Department of Health and Human Services CRG meeting.		
<b>Data users</b>	Case Review Group only		
<b>Collection start</b>	2006		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.55 CRG Filter 3 time critical transfer > 6 hours

---

<b>Definition</b>	Did this admission meet Case Review Group (CRG) filter 3, time critical transfer > 6 hours?		
<b>Database Name</b>	CaseReviewFilter3	<b>Collection</b>	VSTORM staff only
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes	
	-2	Not applicable	
<b>Reporting guide</b>	VSTORM staff to determine if the case met the CRG filter 3, time critical transfer > 6 hours		
<b>Purpose</b>	To identify cases that meet the CRG filter for possible presentation at the Department of Health and Human Services CRG meeting.		
<b>Data users</b>	Case Review Group only		
<b>Collection start</b>	2006		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.56 CRG Filter 4 more than 1 transfer (Inactive)

---

**Definition** Did this admission meet Case Review Group (CRG) filter 4, more than 1 transfer?

**Database Name** CaseReviewFilter4 **Collection** VSTORM staff only

**Datatype** Numeric **Form** Code

**Field size** 1 **Layout** N

**Code Set** \_question (reference table)

Code	Description
0	No
1	Yes
-2	Not applicable

**Reporting guide** VSTORM staff to determine if the case met the CRG filter 4, more than 1 transfer

**Purpose** To identify cases that meet the CRG filters for possible presentation at the Department of Health and Human Services CRG meeting.

**Data users** Case Review Group only

**Collection start** 2006, ceased for cases with date of injury from 1 April 2013

**Definition source** VSTORM only

**Code set source** VSTORM

## CRG Risk matrix score zone

---

<b>Definition</b>	What was the Case Review Group (CRG) risk matrix score zone?										
<b>Database Name</b>	CRGRiskMatrixScore	<b>Collection</b>	VSTORM staff only								
<b>Datatype</b>	Numeric	<b>Form</b>	Code								
<b>Field size</b>	1	<b>Layout</b>	N								
<b>Code Set</b>	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>1</td><td>Low</td></tr><tr><td>2</td><td>Medium</td></tr><tr><td>3</td><td>High</td></tr></tbody></table>	Code	Description	1	Low	2	Medium	3	High		
Code	Description										
1	Low										
2	Medium										
3	High										
<b>Reporting guide</b>	VSTORM staff to record the CRG risk matrix score zone (low, medium or high) if the case met any of the CRG filters.										
<b>Data users</b>	Case Review Group only										
<b>Collection start</b>	2013										
<b>Definition source</b>	VSTORM only										
<b>Code set source</b>	VSTORM										

## CRG Risk stratification matrix score

---

<b>Definition</b>	What was the Case Review Group (CRG) risk matrix score?														
<b>Database Name</b>	CRGRiskMatrixScore	<b>Collection</b>	VSTORM staff only												
<b>Datatype</b>	Numeric	<b>Form</b>	Code												
<b>Field size</b>	2	<b>Layout</b>	N												
<b>Code Set</b>	<table><thead><tr><th>Valid Range is between</th><th>Score</th><th>Score Zone</th></tr></thead><tbody><tr><td>4 and 16</td><td>4-6</td><td>Low</td></tr><tr><td></td><td>7-10</td><td>Medium</td></tr><tr><td></td><td>11-16</td><td>High</td></tr></tbody></table>	Valid Range is between	Score	Score Zone	4 and 16	4-6	Low		7-10	Medium		11-16	High		
Valid Range is between	Score	Score Zone													
4 and 16	4-6	Low													
	7-10	Medium													
	11-16	High													
<b>Reporting guide</b>	VSTORM staff to record the CRG risk matrix score if the case met any of the CRG filters.														
<b>Data users</b>	Case Review Group only														
<b>Collection start</b>	2013														
<b>Definition source</b>	VSTORM only														
<b>Code set source</b>	VSTORM														

## 4.57 CRG Selected for presentation

---

**Definition** Was this admission selected for presentation at the CRG meeting?

**Database Name** SelectedForPresentation

**Collection** VSTORM staff only

**Datatype** Numeric **Form** Code

**Field size** 1 **Layout** N

**Code Set** \_question (reference table)

Code	Description
0	No
1	Yes
-2	Not applicable

**Reporting guide** VSTORM staff record if the case was selected for presentation at the CRG meeting.

**Purpose** To identify cases that were presented at the Department of Health and Human Services CRG meeting.

**Data users** Case Review Group only

**Collection start** 2006

**Definition source** VSTORM only

**Code set source** VSTORM

## 4.58 CRG Selected for Health Service Feedback

---

<b>Definition</b>	Was this admission selected by the CRG for feedback to the Health Service?		
<b>Database Name</b>	SelectedForHealthServiceFeedBack		
<b>Collection</b>	VSTORM staff only		
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_question (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes	
	-2	Not applicable	
<b>Reporting guide</b>	VSTORM staff to record if the case was selected for Health Service feedback.		
<b>Purpose</b>	To identify cases that were selected for Health Service feedback.		
<b>Data users</b>	Case Review Group only		
<b>Collection start</b>	2006		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 4.59 TAC Claim number (not available for data requests)

---

<b>Definition</b>	Transport Accident Commission (TAC) claim number if compensable fund is TAC and claim number is available		
<b>Database Name</b>	Claim number		
<b>Collection</b>	VSTORM staff and electronic data transfer		
<b>Datatype</b>	Text	<b>Form</b>	Free text
<b>Field size</b>		<b>Layout</b>	
<b>Code Set</b>	-		
<b>Reporting guide</b>	VSTORM staff to record TAC claim number if the compensable fund was TAC and it is available in the medical record. TAC claim numbers received electronically from The Alfred, RMH, RCH, The Austin, The Northern Hospital (up to date of injury 31 December 2020), Geelong Hospital and Box Hill Hospital (from date of injury 1 January 2021).		
<b>Purpose</b>	TAC linkage		
<b>Data users</b>	TAC		
<b>Collection start</b>	2001 for electronic transfer, 2015 for manual data entry		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM/VOTOR		

## 4.60 TAC Claim number status (not available for data requests)

---

<b>Definition</b>	Status of the Transport Accident Commission (TAC) claim number if compensable fund is TAC (code 1) or cause code is transport related (1,2,3,4,5,6 or 8)																														
<b>Database Name</b>	Claim number status																														
<b>Collection</b>	Populated in the SQL backend																														
<b>Datatype</b>	Text	<b>Form</b>	Free text																												
<b>Field size</b>		<b>Layout</b>																													
<b>Code Set</b>	<table border="0"> <thead> <tr> <th>StatusCode</th> <th>StatusDescription</th> </tr> </thead> <tbody> <tr> <td>-4</td> <td>Incorrect TAC claim number format nn/nnnnn</td> </tr> <tr> <td>-3</td> <td>Ineligible claims (do not meet criteria)</td> </tr> <tr> <td>-2</td> <td>Incorrect ClaimNumber provider and hospital (verified)</td> </tr> <tr> <td>-1</td> <td>Unknown</td> </tr> <tr> <td>1</td> <td>Sent to hospital (not verified)</td> </tr> <tr> <td>2</td> <td>Received from hospital (not verified)</td> </tr> <tr> <td>3</td> <td>Sent to TAC (verified or not)</td> </tr> <tr> <td>4</td> <td>Received from TAC (not verified)</td> </tr> <tr> <td>5</td> <td>Received from TAC (verified)</td> </tr> <tr> <td>6</td> <td>Received from TAC (verified - NEW Claim No.)</td> </tr> <tr> <td>7</td> <td>Received from TAC (verified - not on CRD)</td> </tr> <tr> <td>8</td> <td>Claim number update requested from hospital</td> </tr> <tr> <td>9</td> <td>Not found in the hospital system-</td> </tr> </tbody> </table>			StatusCode	StatusDescription	-4	Incorrect TAC claim number format nn/nnnnn	-3	Ineligible claims (do not meet criteria)	-2	Incorrect ClaimNumber provider and hospital (verified)	-1	Unknown	1	Sent to hospital (not verified)	2	Received from hospital (not verified)	3	Sent to TAC (verified or not)	4	Received from TAC (not verified)	5	Received from TAC (verified)	6	Received from TAC (verified - NEW Claim No.)	7	Received from TAC (verified - not on CRD)	8	Claim number update requested from hospital	9	Not found in the hospital system-
StatusCode	StatusDescription																														
-4	Incorrect TAC claim number format nn/nnnnn																														
-3	Ineligible claims (do not meet criteria)																														
-2	Incorrect ClaimNumber provider and hospital (verified)																														
-1	Unknown																														
1	Sent to hospital (not verified)																														
2	Received from hospital (not verified)																														
3	Sent to TAC (verified or not)																														
4	Received from TAC (not verified)																														
5	Received from TAC (verified)																														
6	Received from TAC (verified - NEW Claim No.)																														
7	Received from TAC (verified - not on CRD)																														
8	Claim number update requested from hospital																														
9	Not found in the hospital system-																														
<b>Reporting guide</b>	-																														
<b>Purpose</b>	TAC linkage																														
<b>Data users</b>	TAC																														
<b>Collection start</b>	2015																														
<b>Definition source</b>	VSTORM and VOTOR																														
<b>Code set source</b>	VSTORM/VOTOR																														

## 4.61 TAC Claim Number Status date (not available for data requests)

---

<b>Definition</b>	The date the Transport Accident Commission (TAC) claim number was source (if compensable fund is TAC or cause code is transport related (1,2,3,4,5,6 or 8)).	
<b>Database Name</b>	Claim number status date	
<b>Collection</b>	Populated in the SQL backend	
<b>Datatype</b>	Date	<b>Form</b>
<b>Field size</b>		<b>Layout</b>
<b>Code Set</b>	-	
<b>Reporting guide</b>	-	
<b>Purpose</b>	TAC linkage	
<b>Data users</b>	TAC	
<b>Collection start</b>	2015	
<b>Definition source</b>	VSTORM and VOTOR	
<b>Code set source</b>	VSTORM/VOTOR	

## 5 Injuries

---

---

<b>Content</b>	Abbreviated Injury Scale (AIS) 1990 Update 98 and AIS 2005 Update 2008 (AIS 2008) codes for injuries with a date of injury from 1 July 2010
<b>Collected by</b>	All Victorian State Trauma System hospitals (public and private)
<b>Collected for</b>	Definitive episode of acute care
<b>Data source</b>	Hospital Data Collectors
<b>Database Location</b>	Injury Table (AIS 2008 codes in Injury2008 table (AIS98 mapped to AIS08 codes prior to date of injury 1 July 2010))
<b>Reporting Guide</b>	-

### 5.1 AIS codes and detailed injury descriptions

---

<b>Definition</b>	Validation of availability of injuries and AIS codes		
<b>Database Name</b>	Injuries	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_dataavailable		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes – Available	
	2	Yes – Not Available	
	-1	Unknown	
	-2	N/A - Not applicable	
<b>Reporting guide</b>	Record availability of traumatic injuries and AIS codes		
<b>Purpose</b>	Used to validate the availability of injuries and AIS codes		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Association for the Advancement of Automotive Medicine (AAAM)		

## 5.2 AIS Code

---

<b>Definition</b>	The Abbreviated Injury Scale (AIS) code of the injury		
<b>Database Name</b>	AIS	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	7	<b>Layout</b>	NNNNNNN
<b>Code Set</b>	_ais and _ais2008 (reference tables)		
<b>Reporting guide</b>	Refer to the 1998 update of AIS 1990 <b>From injury date 1 July 2010, AIS 2008 is used</b>		
<b>Purpose</b>	Used to categorise injuries and calculate different trauma scores including Injury Severity Score (ISS)		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Joint Committee on Injury Scaling, 1990. The Abbreviated Injury Scale: 1990 Revision update 98 and AIS 2005© update 2008. Illinois: Association for the Advancement of Automotive Medicine (AAAM).		

## 5.3 Injury Description

---

<b>Definition</b>	Text description of AIS coded value		
<b>Database Name</b>	InjDesc	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	350	<b>Layout</b>	AAAAAAAAAAAAAAAAAAAA
<b>Code set</b>	-		
<b>Reporting guide</b>	As much detail as possible on size, depth, type of fracture, location of injury, blood loss etc.		
<b>Purpose</b>	To verify AIS code		
<b>Data users</b>	Data Collectors, VSTORM Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	DH/VSTORM		

## 5.4 ISS Body Region

---

<b>Definition</b>	The Body Region used to calculate Injury Severity Score (ISS)		
<b>Database Name</b>	BodyRegion	<b>Collection</b>	Derived
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_ais and _ais2008 (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Head or Neck	
	2	Face	
	3	Thorax	
	4	Abdominal or pelvic contents	
	5	Extremities or pelvic girdle	
	6	External	
<b>Reporting guide</b>	Derived from AIS code		
<b>Related Items</b>	AIS Code		
<b>Purpose</b>	Injury Severity Score (ISS) Calculation		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 5.5 Injury Severity Score (ISS)

---

<b>Definition</b>	The sum of squares of the three highest AIS severities from the three most severely injured body regions		
<b>Database Name</b>	ISS	<b>Collection</b>	Calculated
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Database Location</b>	Outcome Table		
<b>Code Set</b>	-		
<b>Reporting guide</b>	1-75  -1 indicates that AIS injuries were not recorded		
<b>Related items</b>	AIS		
<b>Purpose</b>	To define injury severity for comparative purposes and impact on outcomes. ISS > 12 (based on AIS2008) = major trauma		
<b>Data users</b>	VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Baker SP, O'Neill B, Haddon W, et al. The injury severity score: A method for describing patients with multiple injuries and evaluating emergency care. J Trauma 1974; 14: 187-196.		

## 5.6 Max AIS08 for AIS Body Region

---

<b>Definition</b>	Maximum AIS severity code (MAIS)		
<b>Database Name</b>	BodyRegion	<b>Collection</b>	Derived
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_ais2008 (reference table)		
	<b>Code</b>	<b>Description/column headers</b>	
	1	Head	
	2	Face	
	3	Neck	
	4	Thorax	
	5	Abdominal or pelvic contents	
	6	Spine	
	7	Upper extremity	
	8	Lower extremity	
	9	External and other	
	Severity range		
	<b>Code</b>	<b>Description</b>	
	1	Minor	
	2	Moderate	
	3	Serious	
	4	Severe	
	5	Critical	
	6	Maximal	
	Null	No injuries in that body region	
<b>Reporting guide</b>	Derived from maximum AIS code severity		
<b>Related Items</b>	AIS Code		
<b>Purpose</b>	Injury groupings		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH/TAC Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 6 Operations and Procedures

---

<b>Content</b>	Operations and procedure performed on the patient in the treatment of their admitted injury.
<b>Collected by</b>	All Victorian State Trauma System hospitals (public and private)
<b>Collected for</b>	All patient episodes of acute care where operations or procedures were performed
<b>Data source</b>	Hospital Data Collectors
<b>Database Location</b>	Operation Table
<b>Reporting Guide</b>	-

### 6.1 Operations or procedures performed

---

<b>Definition</b>	Validation of operations or procedures for this admission		
<b>Database Name</b>	operations	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_dataavailable		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes – Available	
	2	Yes – Not Available	
	-1	Unknown	
	-2	N/A - Not applicable	
<b>Reporting guide</b>	Record if any operations or procedures were performed for this admission. Only record intubation in the Operating Room if it occurs after the first 24 hours, and the patient is not extubated after surgery.		
<b>Purpose</b>	Used to validate if any operations or procedures were performed for this admission		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 6.2 Operation Code

---

<b>Definition</b>	Defines an operation performed on the patient in the treatment of their admitted injury.		
<b>Database Name</b>	Operation	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	4	<b>Layout</b>	NNNN
<b>Code set</b>	_operation (reference table)		
<b>Reporting guide</b>	All patient episodes of care where an operation or procedure was performed to treat their admitted injury		
<b>Purpose</b>	To enable analysis of patient management and treatment.		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2002		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM/The Alfred Hospital		

## 6.3 Operation Start Time

---

<b>Definition</b>	The date and time an operation or procedure started.		
<b>Database Name</b>	OpStart	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code Set</b>	A valid date after 01/07/2001 and valid 24-hour time (not 00:00 or 24:00)		
<b>Reporting guide</b>	This date must be greater than or equal to the Admission Date and Time		
	<b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	Time to operation is a valuable quality indicator		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	DH/VSTORM		

## 6.4 Operation Finish Time

---

<b>Definition</b>	The date and time an operation finished.		
<b>Database Name</b>	OpFinish	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code Set</b>	A valid date after 01/07/2001 and valid 24-hour time (not 00:00 or 24:00)		
<b>Reporting guide</b>	All patient episodes of care where an operation to treat their admitted injury was performed. Procedures do not require a finish date and time and are entered as 09/09/9999 00:00 (or auto populated with 08/08/8888 00:00).  This date must be after the respective Operation/Procedure Start Date  <b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	Time to operation is a valuable quality indicator		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	DH/VSTORM		

## 6.5 Operation Urgent

---

<b>Definition</b>	Indicates whether an operation is urgent, and therefore classed as major trauma		
<b>Database Name</b>	OpUrgent	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_opurgent (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Potentially	
	2	Yes	
<b>Reporting guide</b>	Auto populated according to operation code. OpUrgent = 1 need to be verified by VSTORM staff		
<b>Related items</b>	Operation code		
<b>Purpose</b>	Major Trauma criteria, from 1 July 2006 urgent surgery must be within 48 hours of arrival at the health service		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	DH/VSTORM		

## 6.6 Operation Description

---

<b>Definition</b>	Text description of coded operation		
<b>Database Name</b>	OpDesc	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	500	<b>Layout</b>	AAAAAAAAAAAAAAAAAAAA
<b>Code set</b>	-		
<b>Reporting guide</b>	As much detail as possible describing the operation		
<b>Purpose</b>	To verify Operation code		
<b>Data users</b>	Data Collectors, VSTORM Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	DH/VSTORM		

## 7 ICD-10-AM Diagnoses

---

---

<b>Content</b>	ICD10-AM diagnosis codes and prefixes
<b>Collected by</b>	All Victorian State Trauma System hospitals (public and private)
<b>Collected for</b>	All episodes of acute care
<b>Data source</b>	Hospital Medical Record
<b>Database Location</b>	icdDiag Table
<b>Reporting Guide</b>	<p>The International Statistical Classification of Diseases and Related Health Problems, 10<sup>th</sup> Revision, Australian Modification (ICD-10-AM) is based on the official version of the World Health Organisation's 10<sup>th</sup> Revision. ICD-10-AM is designed for classification of morbidity and mortality information for statistical purposes and for the indexing of hospital records by disease and operations, for data storage and retrieval. ICD-10-AM ninth edition (1 July 2015) was developed by the Australian Consortium for Classification Development (ACCD). ACCD has been contracted by the Independent Hospital Pricing Authority (IHPA) to develop the Australian Refined Diagnosis Related Groups (AR-DRG) Classification System. The ICD-10-AM is a component of this system.</p> <p>When a patient has been discharged Health Information Services coding staff will assign ICD-10-AM codes on the patients' discharge summary or separate sheet. This will enable the registry to collect detailed information on all aspects of the patient's stay including complications. Includes all diagnosis codes and their prefixes.</p>

## 7.1 ICD-10-AM Diagnoses coded for this admission

---

<b>Definition</b>	Validation of ICD-10-AM codes for this admission		
<b>Database Name</b>	ICDdiags	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_dataavailable		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes – Available	
	2	Yes – Not Available	
	-1	Unknown	
	-2	N/A - Not applicable	
<b>Reporting guide</b>	Record if any ICD-10-AM diagnosis codes are available for this admission		
<b>Purpose</b>	Used to validate if any ICD-10-AM diagnosis codes are available for this admission		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	DH/VSTORM		

## 7.2 ICD-10-AM Diagnosis Code

---

<b>Definition</b>	The ICD-10-AM diagnosis is the decision reached, after assessment, of the nature and identity of the disease, morbid condition or injuries of a patient.		
<b>Database Name</b>	ICDDiag	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Code
<b>Field size</b>	5	<b>Layout</b>	ANNNN
<b>Code set</b>	_icddiag (reference table – See ICD10-AM Manual, Twelfth edition, 2023)		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Diagnostic		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	AIHW, WHO, DH, ICD-10-AM (Ninth edition, 1 July 2015, Updated Tenth edition 2017, Updated Twelfth edition November 2023).		

## 7.3 DH Prefix

---

<b>Definition</b>	Describes what the accompanying ICD-10-AM diagnosis code		
<b>Database Name</b>	Prefix	<b>Collection</b>	Mandatory
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	A
<b>Code set</b>	_icdprefix (reference table)		
	<b>Code</b>	<b>Description</b>	
	P	Primary Diagnoses	
	A	An Associated Condition	
	C	Complications	
	M	Morphology codes	
	O	Other	
<b>Reporting guide</b>	-		
<b>Purpose</b>	To qualify the ICD-10-AM code		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	DH (Modified)		

## 8 ACHI Procedures

---

---

<b>Content</b>	ACHI procedure codes
<b>Collected by</b>	All Victorian State Trauma System hospitals (public and private)
<b>Collected for</b>	All episodes of acute care
<b>Data source</b>	Hospital Medical Record
<b>Database Location</b>	icdProc Table
<b>Reporting Guide</b>	Australian Classification of Health Intervention (ACHI) ninth edition (1 July 2015) was developed by the Australian Consortium for Classification Development (ACCD). ACCD has been contracted by the Independent Hospital Pricing Authority (IHPA) to develop the Australian Refined Diagnosis Refined Diagnosis Related Groups (AR-DRG) Classification System. The ACHI is a component of this system.

## 8.1 ACHI Procedures coded for this admission

---

<b>Definition</b>	Validation of ACHI (Australian Classification of Health Interventions) codes for this admission		
<b>Database Name</b>	ICDprocs	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_dataavailable		
	<b>Code</b>	<b>Description</b>	
	0	No	
	1	Yes – Available	
	2	Yes – Not Available	
	-1	Unknown	
	-2	N/A - Not applicable	
<b>Reporting guide</b>	Record if any ACHI procedure codes are available for this admission		
<b>Purpose</b>	Used to validate if any ACHI procedure codes are available for this admission		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	DH (Modified)		

## 8.2 ACHI Procedure Code

---

<b>Definition</b>	The procedures coded with an ACHI (Australian Classification of Health Interventions) code.		
<b>Database Name</b>	ICDProc	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	7	<b>Layout</b>	NNNNNNN
<b>Code set</b>	_icdproc (reference table – See ACHI Manual)		
<b>Reporting guide</b>	-		
<b>Purpose</b>	To monitor and compare outcomes of patients with particular procedures		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	AIHW, WHO, DH, ACHI, VSTORM and VOTOR		
<b>Code set source</b>	DH (Modified). ACHI ninth edition 1 July 2015, updated to ACHI tenth edition 2017 and updated to twelfth edition November 2023		

## 8.3 Implant

---

<b>Definition</b>	Implant used in surgical management of orthopaedic patients and used by health services to obtain government rebates.		
<b>Database Name</b>	SurgProscore	<b>Collection</b>	VOTOR surgically managed
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Code
<b>Field size</b>	5	<b>Layout</b>	AANNN
<b>Database Location</b>	Prosthetics Table		
<b>Code set</b>	_prosthetics (reference table – See separate)		
<b>Reporting guide</b>			
<b>Purpose</b>	To monitor outcomes of patients with particular implants		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	2010		
<b>Definition source</b>	VOTOR only		
<b>Code set source</b>	Hospital rebate codes		

## 9 Discharge

---

---

<b>Content</b>	Hospital Discharge destinations and dates
<b>Collected by</b>	All Victorian State Trauma System hospitals (public and private)
<b>Collected for</b>	All acute patient episodes of care
<b>Data source</b>	Hospital Medical Record
<b>Database Location</b>	Discharge Table
<b>Reporting Guide</b>	-

### 9.1 Discharge Date

---

<b>Definition</b>	The date and time the patient was discharged from the hospital/health service		
<b>Database Name</b>	DischargeDate	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code set</b>	A valid date and time after Arrival time in valid 24-hour time (not 00:00 or 24:00)		
<b>Reporting guide</b>	<b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted). 00:00 denotes unknown time		
<b>Purpose</b>	To determine the length of stay		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 9.3 Discharge Type\_ArriveToDeathDays

**Definition** Patient status and/or destination on departure from the hospital

**Database Name** DischargeType **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 2 **Layout** N

**Code Set** \_dischargetype (reference table)

### Code Description

1	Home
2	Rehabilitation
3	Nursing home
4	Special accommodation
5	Hospital for convalescence
6	Other
7	Death
8	Transfer to VSTS Hospital for Definitive Care
9	Transfer to Non-VSTS Hospital for Definitive Care
-1	Unknown

**ArriveToDeathDays** – Calculated variable, time from arrival at definitive care hospital to death:

### Code Description

-2	Death not recorded on VSTR
-1	Known death but date of death and/or time to death not known
Value	Days from arrival at definitive care hospital to death, includes in-hospital and post-discharge death

**Reporting guide** Code 5 must not be used when the patient is transferred to another hospital for acute treatment of their admitted injuries

**Purpose** To determine the outcome status of patients

**Data users** Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists

**Collection start** 2001

**Definition source** VSTORM and VOTOR

**Code set source** VSTORM

## 9.4 Rehab Centre

<b>Definition</b>	Name of rehabilitation centre patient was discharge to.		
<b>Database Name</b>	RehabCode	<b>Collection</b>	Mandatory if discharge type=2
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code Set</b>	_RehabCentre (reference table)		
	<b>Code</b>	<b>Description</b>	
	-1	Unknown	
	1	Other, please specify	
	2	Albury Wodonga Health (Albury Campus)	
	3	Albury Wodonga Health (Wodonga Health)	
	4	Alfred Health	
	5	Eastern Health - Angliss Hospital	
	6	Austin Health	
	7	Bairnsdale Regional Health Services	
	8	Ballarat Health Services	
	9	Barwon Health- The McKellar Centre Campus	
	10	Bass Coast Regional Health (Wonthaggi)	
	11	Bendigo Health Care Group (Anne Caudle)	
	12	Broadmeadows Health Service	
	13	Brunswick Private Hospital (Vaucluse)	
	14	Bundoora Extended Care Centre	
	15	Eastern Health - Maroondah Hospital	
	16	Cabrini Rehabilitation Hospital	
	17	Castlemaine Health	
	18	Caulfield General Medical Centre	
	19	Central Gippsland Health Service (Maffra)	
	20	Sale Community Rehabilitation Centre – CGHS (Wellington)	
	21	Como Private Hospital-Closed Jan 2017	
	22	Cotham Private Hospital-Closed June 2018	
	23	Donvale Rehabilitation Hospital	
	24	Dorset Rehabilitation Centre	
	25	Eastern Health - Box Hill-Not rehab>PJC or Angliss	
	26	Echuca Regional Health	
	27	Epworth Hawthorn	
	28	Epworth Rehabilitation Brighton	
	29	Epworth Rehabilitation Camberwell (Formerly Cedar Court)	
	30	Epworth Richmond (Formerly Bethesda)	
	31	Peninsula Private Rehabilitation Unit	
	32	Barwon - Geelong Private Hospital-Closed June 2018	
	34	Goulburn Valley Health	
	35	Healesville Hospital-Not rehab code to PJC or Angliss	
	36	Monash Health - Kingston Centre	
	37	Latrobe Regional Hospital (Gippsland)	
	42	Mildura Base Hospital	
	43	Monash Health - Monash Medical Centre	
	44	Murray Valley Private Hospital (Wodonga)	
	45	Northeast Health - Wangaratta	
	46	North Eastern Rehabilitation Centre (formerly Ivanhoe Manor)	
	47	Northern Health	
	48	Peninsula Health-Golf Links Road Rehabilitation Centre	
	49	Eastern Health - Peter James Centre	
	50	Ballarat - Queen Elizabeth Centre	
	51	Royal Children's Hospital	
	52	Royal Melbourne Hospital- Royal Park Campus (formerly MECRS)	

53	Royal Talbot Rehabilitation Centre
54	South Eastern Private Hospital
55	South West Healthcare Warrnambool
56	St George's Health Service
57	St John of God Ballarat Hospital
58	Bendigo - St John of God Bendigo Hospital
59	Peninsula - St John of God Frankston (Nepean Rehabilitation)
60	Barwon - St John of God Geelong Hospital
61	St John of God Warrnambool Hospital
62	St Vincent's Hospital Melbourne Ltd.
63	Sunshine Hospital
64	The Victorian Rehabilitation Centre
66	Western District Health Service (Hamilton)
67	Footscray Hospital (formerly Western Health)
68	Wimmera Health Care Group (Horsham)
69	Royal Melbourne Hospital - Parkville Campus
70	Interstate or overseas rehabilitation centre
75	Beleura Private Hospital - Mornington
78	Monash Health - Dandenong
79	Monash Health - Casey
84	Bendigo Health - The Bendigo Hospital
85	Peninsula Health Care Network - The Mornington Centre
86	PHCN -Mount Eliza Centre-Closed June 2017
87	Peninsula Health - Frankston Hospital
88	Peninsula Health - Rosebud Hospital (Hillview rehab)
89	Masada Private Hosp - East St Kilda
90	Olympia Private Rehab Hospital - Thornbury-Closed November
91	Sandringham & District Memorial Hospital
92	Austin Health - Heidelberg Repatriation Hospital campus
93	Williamstown Hospital
94	Eastern Health Rehabilitation - Campus not specified
96	Barwon Health - Geelong Hospital
100	Epworth - Unknown campus
101	Epworth Cliveden Private (East Melbourne)
103	Mercy Public Hospitals (Werribee)
104	Mercy Private Hosp (East Melbourne)
107	Wangaratta Private Hospital
110	St Vincent's Private Hospital (Fitzroy)
112	Hampton Rehabilitation Hospital-Closed 2002
116	Epworth Geelong
118	Homesglen Private Hospital (opened April 2017)
120	Shepparton Private Hospital
121	Monash Health - Monash Children's Hospital
122	St Vincents Private Hospital East Melbourne
123	St Vincents Private Hospital Werribee
124	Melbourne Eastern Private - Boronia

<b>Reporting guide</b>	Select rehabilitation centre if discharge type = 2 Rehabilitation
<b>Purpose</b>	To provide further detail on the discharge destination to assist in follow-up
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists
<b>Collection start</b>	2014
<b>Definition source</b>	VSTORM and VOTOR
<b>Code set source</b>	VSTORM

## 9.5 Specify

---

<b>Definition</b>	Text Description of the discharge destination if the rehabilitation centre is not on the drop down list, hospital for convalescence or Other.		
<b>Database Name</b>	DischargeOther		
<b>Collection</b>	When Discharge Type = 5, 6 or RehabCode=1		
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	100	<b>Layout</b>	AAAAAAAAAAAAAAAA
<b>Code Set</b>	-		
<b>Reporting guide</b>	Only recorded if Discharge Type Codes 5 or 6 or RehabCode=1		
<b>Purpose</b>	To provide further detail on the discharge destination to assist in follow-up		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 9.6 Hospital Discharge GCS – Total (Not active)

---

<b>Definition</b>	The sum of the three Glasgow Coma Scale components: Eye Opening, Verbal Response and Motor Response at discharge from hospital.		
<b>Database Name</b>	GCSTotal	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Code set</b>	-		
<b>Reporting guide</b>	Values must be between 3 and 15 or -1  -1 is used only when a score cannot be calculated		
<b>Purpose</b>	This is useful in the assessment of coma and impaired consciousness.		
<b>Data users</b>	Health Services, DH Reporting		
<b>Collection start</b>	2001 – Not active		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	Teasdale, G. Assessment of coma and impaired consciousness, Lancet 1974/VSTORM		

## 9.7 Coroner

---

<b>Definition</b>	Specifies the Coroner's case number		
<b>Database Name</b>	Coroner	<b>Collection</b>	Optional
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	20	<b>Layout</b>	
<b>Table</b>	Outcome		
<b>Reporting guide</b>	Deceased patients only		
<b>Related items</b>	-		
<b>Purpose</b>	To assist in reconciling VSTORM and National Coronial Information System (NCIS) data		
<b>Data users</b>	VSTORM Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM/NCIS		

## 9.8 Further Comments

---

<b>Definition</b>	Further Comments of the patient's admission not captured by other data items		
<b>Database Name</b>	FurtherComments	<b>Collection</b>	Optional
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	500	<b>Layout</b>	AAAAAAAAAAAAAAAA
<b>Code Set</b>	-		
<b>Reporting guide</b>	-		
<b>Purpose</b>	To provide further detail on the admission at discharge, including details on reasons why the admission didn't follow VSTS guidelines for case review		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2011		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 10 Transfer

---

---

<b>Content</b>	Hospital Transfer destinations, reasons and mode of transport
<b>Collected by</b>	All Victorian State Trauma System hospitals (public and private)
<b>Collected for</b>	Patients that were transferred to another hospital for acute care
<b>Data source</b>	Hospital Medical Record
<b>Database Location</b>	Transfer Table
<b>Reporting Guide</b>	-

### 10.1 Transfer Hospital

---

---

<b>Definition</b>	Indicates the acute health care facility to which the patient was transferred.		
<b>Database Name</b>	TransferHosp	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	3	<b>Layout</b>	NNN
<b>Code set</b>	_hospital (reference table)		
<b>Reporting guide</b>	Mandatory item if patient was transferred from this hospital to another hospital campus, irrespective of whether they were admitted or not admitted at the sending hospital.  Report a valid code from the VSTORM Hospital Code Table.  The Hospital Code Table is based around the Campus Code Table in the VEMD, but includes further hospitals and health services not listed there.		
<b>Purpose</b>	To identify the reporting hospital/health service		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2002		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	DH/VSTORM		

## 10.2 Transfer Service

---

<b>Definition</b>	Service used for patient transport to another hospital for acute care.		
<b>Database Name</b>	Service	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code Set</b>	_service (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Metropolitan Ambulance Service	
	2	Rural Ambulance Service	
	3	Air Ambulance Victoria	
	4	Other	
	5	Private Car	
	6	Interstate	
	7	Private Ambulance	
	8	Retrieval (free text "specify" field to document retrieval service)	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	To monitor patterns of ambulance usage for the purpose of ambulance policy and planning		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH Annual Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code source</b>	VSTORM		

## 10.3 Other Transfer Service

---

<b>Definition</b>	Other service used for patient transport to another hospital for acute care.		
<b>Database Name</b>	ServiceOther	<b>Collection</b>	Mandatory if transfer service = 4
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	AAAAAAAAAAAAAAAAAAAAA
<b>Code Set</b>	-		
<b>Reporting guide</b>	Specify the service used to transport the patient to another hospital		
<b>Purpose</b>	To monitor patterns of ambulance usage for the purpose of ambulance policy and planning		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH Annual Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code source</b>	VSTORM		

## 10.4 Transfer Mode of Transport

---

<b>Definition</b>	Mode of Transport of service used for patient transport between hospitals.		
<b>Database Name</b>	Mode	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code Set</b>	_mode (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Fixed wing	
	2	Helicopter	
	3	MICA (inactive)	
	4	Road car	
	9	Other (free text "specify" field to document other mode)	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	To monitor patterns of ambulance usage for the purpose of ambulance policy and planning		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH Annual Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 10.5 Other Transfer Mode of Transport

---

<b>Definition</b>	Other Mode of Transport of service used for patient transport between hospitals.		
<b>Database Name</b>	ModeOther	<b>Collection</b>	Mandatory if mode of transport=9
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	AAAAAAAAAAAAAAAAAAAAA
<b>Code Set</b>	-		
<b>Reporting guide</b>	Specify the mode of transport used to transfer the patient to another hospital		
<b>Purpose</b>	To monitor patterns of ambulance usage for the purpose of ambulance policy and planning		
<b>Data users</b>	VSTORM Staff, Ambulance Services, DH Annual Reporting		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 10.6 ARV Activation Date Time

---

<b>Definition</b>	The date and time Adult Retrieval Services were consulted by the hospital/health service for transfer to a higher designation hospital		
<b>Database Name</b>	ARVActiveDateTime	<b>Collection</b>	When Transfer Service=8 ARV
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code set</b>	A valid date and time after Arrival time in valid 24-hour time (not 00:00 or 24:00), or Null		
<b>Reporting guide</b>	This is only required when the patient is transferred by ARV  <b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	To determine the time from activation to transfer		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting		
<b>Collection start</b>	2008		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 10.7 ARV Stability (not available for data requests)

---

<b>Definition</b>	ARV Stability		
<b>Database Name</b>	ARV_Stability	<b>Collection</b>	When Transfer Service=8 ARV
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_ARVstability (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Stable	
	2	Previously unstable within the last 4 hours	
	3	Unstable	
<b>Reporting guide</b>	This is only required when the patient is transferred by ARV and to be completed by VSTORM staff only		
<b>Purpose</b>	To determine the stability of the patient as assessed by ARV staff		
<b>Data users</b>	VSTORM Staff, DH Reporting		
<b>Collection start</b>	2011		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM, VSTR-Adult Retrieval Victoria (ARV) data linkage		

## 10.8 ARV Complexity (not available for data requests)

---

<b>Definition</b>	ARV Complexity		
<b>Database Name</b>	ARV_Complexity	<b>Collection</b>	When Transfer Service=8 ARV
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_ARVComplexity (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	High	
	2	Medium	
	3	Low	
<b>Reporting guide</b>	This is only required when the patient is transferred by ARV and to be completed by VSTORM staff only		
<b>Purpose</b>	To determine the complexity of the patient as assessed by ARV staff		
<b>Data users</b>	VSTORM Staff, DH Reporting		
<b>Collection start</b>	2011		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM, VSTR-Adult Retrieval Victoria (ARV) data linkage		

## 10.9 ARV Urgency (not available for data requests)

---

<b>Definition</b>	ARV Urgency		
<b>Database Name</b>	ARV_Urgency	<b>Collection</b>	When Transfer Service=8 ARV
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code set</b>	_ARVUrgency (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Time critical (immediate)	
	2	Acute (less than 60 mins from November 1 2013, less than 90 minutes prior to November 1 2013)	
	3	Non acute (less than 180 mins from November 1 2013, less than 4 hours prior to November 1 2013)	
	4	Scheduled (planned departure)	
	41	Transfer not required	
<b>Reporting guide</b>	This is only required when the patient is transferred by ARV and to be completed by VSTORM staff only		
<b>Purpose</b>	To determine the Urgency of the transfer as assessed by ARV staff		
<b>Data users</b>	VSTORM Staff, DH Reporting		
<b>Collection start</b>	2011		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM, VSTR-Adult Retrieval Victoria (ARV) data linkage		

## 10.10 ARV REMS (not available for data requests)

---

<b>Definition</b>	ARV Rapid Emergency Medicine Score (REMS) is used to determine how unwell a patient has been and to determine urgency of care and or transport. The score incorporates the patient's age and the worst value in the prior 4 hours for BP, HR and oxygen saturation.		
<b>Database Name</b>	ARV_REMS	<b>Collection</b>	When Transfer Service=8 ARV
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Reporting guide</b>	Must be between 0 and 26  This is only required when the patient is transferred by ARV and to be completed by VSTORM staff only		
<b>Purpose</b>	To determine the REMS of the patient as assessed by ARV staff, the higher the score the higher the acuity		
<b>Data users</b>	VSTORM Staff, DH Reporting		
<b>Collection start</b>	2011		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM, VSTR-Adult Retrieval Victoria (ARV) data linkage		

## 10.11 Transfer Reason

---

**Definition** The reason the patient was transferred to another health care facility for acute care

**Database Name** TransferReason      **Collection** Mandatory

**Datatype** Numeric      **Form** Code

**Field size** 2      **Layout** N

**Code set** \_transferreason (reference table)

Code	Description
1	Acute Care
2	No ICU bed
3	No bed
4	No Operating Room
5	Private Insurance
6	Patient Request
7	Specialty (Specify)
8	COVID, Ward bed (transferred under contract of care)
9	COVID, ICU bed (transferred under contract of care)
-1	Unknown

**Reporting guide** Mandatory item if patient was transferred from this hospital to another hospital campus, irrespective of whether they were admitted or not admitted at the sending hospital.

**Purpose** To determine reason for transfer and to monitor adherence to triage guidelines

**Data users** Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists

**Collection start** 2002

**Definition source** VSTORM only

**Code set source** DH/VSTORM

## 10.12 Specify Transfer Reason

---

<b>Definition</b>	The speciality reason the patient was transferred to another health care facility for acute care		
<b>Database Name</b>	TransferReasonSpecify	<b>Collection</b>	Mandatory if transfer reason=7
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	AAAAAAAAAAAAAAAAAAAAAAAAA
<b>Code set</b>	-		
<b>Reporting guide</b>	Specifies the speciality reason for transfer		
<b>Purpose</b>	To determine reason for transfer and to monitor adherence to triage guidelines		
<b>Data users</b>	Data Collectors, VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2002		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	DH/VSTORM		

## 10.13 Transfer Data Available?

---

<b>Definition</b>	Transfer hospital data available?		
<b>Database Name</b>	TransferData	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code set</b>	_transferdata (reference table)		
	<b>Code</b>	<b>Description</b>	
	-1	Unknown, Referral Hospital doesn't know if data available at Transferred Hosp	
	0	No – Unavailable, Transferred Hospital has no record of patient's admission	
	1	Yes - Available Flag for when data has been collected	
	2	Yes - Pending Transferred Hospital has been contacted and data is being collected	
	3	No - Did not meet criteria, did not meet inclusion criteria at Transferred Hosp, patient will be marked “No” for VSTORM.	
<b>Reporting guide</b>	Mandatory item if patient was transferred from this hospital to another hospital campus, irrespective of whether they were admitted or not admitted at the sending hospital.		
<b>Purpose</b>	To determine if data is available or patient met inclusion criteria at transfer hospital		
<b>Data users</b>	Data Collectors, VSTORM Staff		
<b>Collection start</b>	2002		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	DH/VSTORM		

# 11 Trauma Scores

---

---

<b>Content</b>	Injury scores derived from AIS coded injuries and patient vital signs
<b>Data source</b>	AIS coded injuries and patient vital signs entered by Hospital Data Collectors

## 11.1 Injury Severity Score (ISS) and NISS

---

<b>Definition</b>	<b>ISS:</b> The sum of squares of the three highest AIS severities from the three most severely injured body regions <b>New Injury Severity Score (NISS):</b> The sum of squares of the three highest AIS severities, regardless of body region		
<b>Database Name</b>	ISS and NISS	<b>Collection</b>	Calculated
<b>Datatype</b>	Numeric	<b>Form</b>	Integer
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Database Location</b>	Outcome table, NISS is in VSTR data (snapshot) Outcome table only (based on AIS2008)		
<b>Code Set</b>	-		
<b>Reporting guide</b>	1–75 -1 indicates that AIS injuries were not recorded		
<b>Related items</b>	AIS		
<b>Purpose</b>	To define injury severity for comparative purposes and impact on outcomes		
<b>Data users</b>	VSTORM Staff, DH Reporting, Epidemiologists		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Baker SP, O'Neill B, Haddon W, et al. The injury severity score: A method for describing patients with multiple injuries and evaluating emergency care. J Trauma 1974; 14: 187-196.		

## 11.2 Revised Trauma Score (RTS)

**Definition** Score calculated from 3 physiological variables – Glasgow Coma Scale, respiratory rate and systolic blood pressure.

**Database Name** RTS **Collection** Calculated

**Datatype** Numeric **Form** Decimal

**Field size** 5 **Layout** N.NNNN

**Database Location** VSTR data (snapshot) Outcome table only

### Code Set

Coded value	Glasgow Coma Scale (GCS)	Systolic blood pressure (SBP)	Respiratory rate (RR)
4	13–15	> 89	10–29
3	9–12	76–89	> 29
2	6–8	50–75	6–9
1	4–5	1–49	1–5
0	3	0	0
-1	No recorded value		

$$\text{RTS} = 0.9368(\text{GCS}) + 0.7326(\text{SBP}) + 0.2908(\text{RR})$$

$$\text{Highest} = 3.7472 + 2.9304 + 1.1632 = 7.8408$$

**Reporting guide** 0–7.8408 (Inactive)

-1 indicates that an RTS could not be calculated

RTS can be calculated only if all of Glasgow Coma Score, Systolic Blood Pressure and unassisted respiratory rate are recorded.

Where available Primary hospital physiologic measures are used.

If not available ambulance physiologic measures are used.

If not available and the patient was transferred, the definitive hospital physiologic measures are used.

Where the patient was intubated at the time of GCS assessment, data substitution of the value 5 is used.

**Purpose** Originally for field triage. Used in TRISS when combined with ISS.

**Data users** VSTORM Staff, DH Reporting, Epidemiologists

**Collection start** 2001–2010

**Definition source** VSTORM only

**Code set source** Champion HR, Sacco WJ, Carnazzo AJ, et al. The trauma score. Crit Care Med 1981; 9: 672-676

## 11.3 Trauma and Injury Severity Score (TRISS)

**Definition** A logistic regression method of estimating the probability of survival using a combination of injury severity score (ISS), revised trauma score (RTS), patient age and injury type (blunt or penetrating).

<b>Database Name</b>	TRISS	<b>Collection</b>	Calculated
<b>Datatype</b>	Numeric	<b>Form</b>	Decimal
<b>Field size</b>	5	<b>Layout</b>	N.NNNN

**Database Location** VSTR data outcome table (ISS based on AIS2008)

**Code Set** Probability of Survival:  $P_s = 1/(1 + \exp(-b))$ , where:

$$b = b_0 + b1 * RTS + b2 * ISS + b3 * Age$$

where:

RTS = Revised Trauma Score

ISS = Injury Severity Score

Age = 1 if age  $\geq 55$  years, and Age = 0 if age  $< 55$  years.

TRISS - NTDB 1995 coefficients for "b":

Type of injury	Constant (b0)	RTS (b1)	ISS (b2)	Age $\geq 55$ years (b3)
Blunt	-0.1748	0.8367	-0.0913	-2.1432
Penetrating	-1.6603	0.9576	-0.1049	-1.4093

TRISS - NTDB 2009 coefficients for "b":

Type of injury	Constant (b0)	RTS (b1)	ISS (b2)	Age $\geq 55$ years (b3)
Blunt	-0.4499	0.8085	-0.0835	-1.7430
Penetrating	-2.5355	0.9934	-0.0651	-1.1360

### Reporting guide

0.00 to 1.00

-1 indicates that TRISS could not be calculated

TRISS can be calculated only if all of Glasgow Coma Score, Systolic Blood Pressure, unassisted respiratory rate, AIS with sufficient injury detail to prevent AIS=9 (ISS08 available), age and type of injury are recorded.

### Purpose

To calculate the probability of survival, to quantify severity of injury and to compare survival rates.

### Data users

VSTORM Staff, DH Reporting, Epidemiologists

### Collection start

2001–2010

### Definition source

VSTORM only

### Code set source

Boyd CR, Tolson MA, Copes WS. Evaluating trauma care: The TRISS method. J Trauma 1987; 27: 370-378.

Schluter PJ, Nathens A, Neal ML, Goble S, Cameron CM, Davey TM, et al. Trauma and Injury Severity Score (TRISS) coefficients 2009 revision. J Trauma 2010;68(4):761-70.

## 12 Post-Discharge Contact

<b>Content</b>	Contact with patient post-discharge, but prior to first phone interview
<b>Collected by</b>	VSTORM/VOTOR
<b>Collected for</b>	All VSTORM and VOTOR patients
<b>Data source</b>	VSTORM/VOTOR letter generation, patient contact with VSTORM/VOTOR
<b>Database Location</b>	InitialContact Table

### 12.1 Type of Letter Sent

<b>Definition</b>	The type of letter sent to patient, advising of their inclusion on VSTORM		
<b>Database Name</b>	LetterSent	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Code Set</b>	_documents (reference table)		
	<b>Code</b>	<b>Description</b>	
	-3	Not sent by VSTORM – Hospital Sends	
	-4	Not sent – Death post Aug 2016	
	-1	Unknown - Pre 01/01/2003	
	0	Not sent – insufficiently addressed	
	1	Adult	
	2	Child	
	5	Death (inactive)	
	6	RCH	
	8	Death RCH (inactive)	
	11	Adult RMH	
	12	Child RMH	
	15	Death RMH (inactive)	
	-2	Not sent – more than 8 months since date of injury	
	3	Minor Adult	
	4	Minor Child	
	7	Minor RCH	
	13	Minor Adult RMH	
	14	Minor Child RMH	
<b>Reporting guide</b>	If field is blank, no letter has been sent. Codes -2, 3, 4, 7, 13 and 14 no longer used (2008). There is no longer a differentiation between Major and Minor patient's letters, and all patients now receive a letter even if they were injured more than 8 months prior.		
<b>Purpose</b>	Internal use, ethics compliance		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	2001, death letters not sent from August 2016		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 12.2 Letter Date

---

<b>Definition</b>	The date and time the letter was generated		
<b>Database Name</b>	LetterDate	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code set</b>	A valid date and time after Arrival time in valid 24-hour time (not 00:00 or 24:00), or Null		
<b>Reporting guide</b>	If field is blank, no letter has been sent.  <b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	Internal use		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 12.3 Letter Returned

---

<b>Definition</b>	Whether the letter sent to the patient was returned to sender																
<b>Database Name</b>	LetterReturn	<b>Collection</b>	Mandatory (where applicable)														
<b>Datatype</b>	Numeric	<b>Form</b>	Code														
<b>Field size</b>	1	<b>Layout</b>	N														
<b>Code Set</b>	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>1</td><td>Yes, Left address</td></tr><tr><td>2</td><td>Yes, insufficiently addressed</td></tr><tr><td>3</td><td>Yes, unknown at this address</td></tr><tr><td>4</td><td>Yes, other</td></tr><tr><td>5</td><td>Yes, with letter re-sent to new address</td></tr><tr><td>0</td><td>No</td></tr></tbody></table>	Code	Description	1	Yes, Left address	2	Yes, insufficiently addressed	3	Yes, unknown at this address	4	Yes, other	5	Yes, with letter re-sent to new address	0	No		
Code	Description																
1	Yes, Left address																
2	Yes, insufficiently addressed																
3	Yes, unknown at this address																
4	Yes, other																
5	Yes, with letter re-sent to new address																
0	No																
<b>Reporting guide</b>	If field is blank, also indicates letter was not returned.																
<b>Purpose</b>	Internal use																
<b>Data users</b>	VSTORM and VOTOR Staff																
<b>Collection start</b>	2001																
<b>Definition source</b>	VSTORM and VOTOR																
<b>Code set source</b>	VSTORM																

## 12.4 Re-sent Date

---

<b>Definition</b>	The date and time the letter was re-sent to patient, if the letter was returned and new postal details were found		
<b>Database Name</b>	LetterResentDate	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code set</b>	A valid date and time after Arrival time in valid 24-hour time (not 00:00 or 24:00), or Null		
<b>Reporting guide</b>	<b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	Internal use		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 12.5 Type of Contact

---

<b>Definition</b>	Mode of contact received from patient or his/her representative regarding letter, if any		
<b>Database Name</b>	ContactMode	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code Set</b>	_contactMode (reference table)		
	<b>Code</b>	<b>Description</b>	
	-1	Unknown	
	1	Letter	
	2	Phone call	
	3	email	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Internal use		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 12.6 Contact Date

---

<b>Definition</b>	The date and time patient or his/her representative contacted VSTORM in response to the letter		
<b>Database Name</b>	ContactDate	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code set</b>	A valid date and time after Arrival time in valid 24-hour time (not 00:00 or 24:00), or Null		
<b>Reporting guide</b>	<b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	Internal use		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 12.7 Contact Person

---

<b>Definition</b>	The relation (to the patient) of the person who contacted VSTORM in response to the letter		
<b>Database Name</b>	ContactPerson	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_relation (reference table)		
	<b>Code</b>	<b>Description</b>	
	-1	Unknown	
	0	Patient	
	1	Parent	
	2	Spouse (including de facto)	
	3	Child	
	4	Sibling	
	5	Friend	
	6	GP	
	7	Other (Specify)	
	8	Other Health Professional	
	9	Other guardian	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Internal use		
<b>Data users</b>	VSTORM Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 12.8 Reason for Contact

---

<b>Definition</b>	The reason why the patient, or the patient's representative called VSTORM		
<b>Database Name</b>	ContactReason	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Code Set</b>	_contactReason (reference table)		
	<b>Code</b>	<b>Description</b>	
	-1	Not Given	
	1	Thought they had to call to be involved	
	2	Wanted further clarifications	
	3	Change of details	
	4	Clarification of followup contact	
	5	Other – OK to be involved	
	6	No follow up – deceased post discharge	
	7	No follow up – Don't like interviews	
	8	No follow up – Don't want to be bothered	
	9	No follow up – Moved	
	10	No follow up – No Reason Given	
	11	Opt off – Privacy	
	12	Opt off – No Reason Given	
	13	Deceased after follow up time points	
<b>Reporting guide</b>	Codes 6 to 12 remove the patient from the follow-up process. Post-injury outcomes data will not be available for these patients.		
<b>Purpose</b>	Monitor calls to the hotline and record opt-off from follow up (partial opt off)		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 12.9 Death Date

---

<b>Definition</b>	The date and time patient died (post-discharge)		
<b>Database Name</b>	DeathDate		
<b>Collection</b>	Mandatory, where patient was reported to have died in 12.8 Reason for Contact		
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code set</b>	A valid date and time after Arrival time in valid 24-hour time (not 00:00 or 24:00), or Null		
<b>Reporting guide</b>	<p>Time of death not available for most cases (will display as 00:00). Enter 09/09/9999 for unknown date of death. From August 1 2019: If month and year is known but day is unknown enter 15<sup>th</sup> of the known month and year. Include text detailing actual day of death is unknown.</p> <p><b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).</p>		
<b>Purpose</b>	Determining patient outcomes status		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 12.10 Notes

---

<b>Definition</b>	Free text field to record any further details		
<b>Database Name</b>	Notes	<b>Collection</b>	Optional
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	255	<b>Layout</b>	AAAAAAAAAAAAAAAAA
<b>Code Set</b>	-		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Internal use		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	2001		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 13 Patient Demographics

---

---

<b>Content</b>	Information about the patient's occupation and education
<b>Collected by</b>	VSTORM and VOTOR Follow Up Staff
<b>Collected for</b>	All VSTORM major trauma and VOTOR patients at their first follow-up telephone interview, where an interview was possible
<b>Data source</b>	Patient (telephone interview)
<b>Database Location</b>	InitialPI Table

### 13.1 Working/Studying Prior to Injury

---

---

<b>Definition</b>	Whether the patient was working or studying prior to the injury event		
<b>Database Name</b>	WorkPrior	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_questionNA (reference table)		
	<b>Code</b>	<b>Description</b>	
	-2	NA	
	-1	Unknown	
	0	No	
	1	Yes	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Population description		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 13.2 Occupation Prior to Injury

<b>Definition</b>	Patient's category of occupation prior to injury																																																																																												
<b>Database Name</b>	Occupation	<b>Collection</b>	Mandatory (where applicable)																																																																																										
<b>Datatype</b>	Numeric	<b>Form</b>	Code																																																																																										
<b>Field size</b>	3	<b>Layout</b>	NNN																																																																																										
<b>Code Set</b>	_occupation (Reference Table) <b>ASCO</b> <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr><td>-1</td><td>Unknown</td></tr> <tr><td>11</td><td>Generalist Managers</td></tr> <tr><td>12</td><td>Specialist Managers</td></tr> <tr><td>13</td><td>Farmers and Farm Managers</td></tr> <tr><td>21</td><td>Science, Building and Engineering Professionals</td></tr> <tr><td>22</td><td>Business and Information Professionals</td></tr> <tr><td>23</td><td>Health Professionals</td></tr> <tr><td>24</td><td>Education Professionals</td></tr> <tr><td>25</td><td>Social, Arts and Misc Professionals</td></tr> <tr><td>31</td><td>Science, Building and Related Associate Professionals</td></tr> <tr><td>32</td><td>Business and Administration Associate Professionals</td></tr> <tr><td>33</td><td>Managing Supervisors (Sales and Service)</td></tr> <tr><td>34</td><td>Health and Welfare Associate Professionals</td></tr> <tr><td>39</td><td>Other Associate Professionals</td></tr> <tr><td>41</td><td>Mechanical and Fabrication Engineering Tradespersons</td></tr> <tr><td>44</td><td>Construction Tradespersons</td></tr> <tr><td>45</td><td>Food Tradespersons</td></tr> <tr><td>46</td><td>Skilled Agricultural and Horticultural Workers</td></tr> <tr><td>49</td><td>Other Tradespersons and Related Workers</td></tr> <tr><td>51</td><td>Secretaries and Personal Assistants</td></tr> <tr><td>59</td><td>Other Advanced and Clerical Service Workers</td></tr> <tr><td>61</td><td>Immediate Clerical Workers</td></tr> <tr><td>62</td><td>Immediate Sales and Related Workers</td></tr> <tr><td>63</td><td>Immediate Service Workers</td></tr> <tr><td>71</td><td>Intermediate Plant Operators</td></tr> <tr><td>72</td><td>Intermediate Machine Operators</td></tr> <tr><td>73</td><td>Road and Rail Transport Drivers</td></tr> <tr><td>79</td><td>Other Intermediate Productions and Transport Workers</td></tr> <tr><td>81</td><td>Elementary Clerks</td></tr> <tr><td>82</td><td>Elementary Sales Workers</td></tr> <tr><td>83</td><td>Elementary Service Workers</td></tr> <tr><td>91</td><td>Cleaners</td></tr> <tr><td>92</td><td>Factory Labourers</td></tr> <tr><td>99</td><td>Other Labourers and Related Workers</td></tr> <tr><td>101</td><td>Student</td></tr> </tbody> </table> <b>ANZSCO</b> <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr><td>-1</td><td>Unknown</td></tr> <tr><td>0</td><td>Other (Specify)</td></tr> <tr><td>101</td><td>Student</td></tr> <tr><td>111</td><td>Chief Executives, General Managers and Legislators</td></tr> <tr><td>121</td><td>Farmers and Farm Managers</td></tr> <tr><td>131</td><td>Specialist Managers-Advertising, Public Relations &amp; Sales Managers</td></tr> <tr><td>132</td><td>Specialist Managers-Business Administration Managers</td></tr> <tr><td>133</td><td>Specialist Managers-Construction, Distribution &amp; Production Managers</td></tr> </tbody> </table>			Code	Description	-1	Unknown	11	Generalist Managers	12	Specialist Managers	13	Farmers and Farm Managers	21	Science, Building and Engineering Professionals	22	Business and Information Professionals	23	Health Professionals	24	Education Professionals	25	Social, Arts and Misc Professionals	31	Science, Building and Related Associate Professionals	32	Business and Administration Associate Professionals	33	Managing Supervisors (Sales and Service)	34	Health and Welfare Associate Professionals	39	Other Associate Professionals	41	Mechanical and Fabrication Engineering Tradespersons	44	Construction Tradespersons	45	Food Tradespersons	46	Skilled Agricultural and Horticultural Workers	49	Other Tradespersons and Related Workers	51	Secretaries and Personal Assistants	59	Other Advanced and Clerical Service Workers	61	Immediate Clerical Workers	62	Immediate Sales and Related Workers	63	Immediate Service Workers	71	Intermediate Plant Operators	72	Intermediate Machine Operators	73	Road and Rail Transport Drivers	79	Other Intermediate Productions and Transport Workers	81	Elementary Clerks	82	Elementary Sales Workers	83	Elementary Service Workers	91	Cleaners	92	Factory Labourers	99	Other Labourers and Related Workers	101	Student	Code	Description	-1	Unknown	0	Other (Specify)	101	Student	111	Chief Executives, General Managers and Legislators	121	Farmers and Farm Managers	131	Specialist Managers-Advertising, Public Relations & Sales Managers	132	Specialist Managers-Business Administration Managers	133	Specialist Managers-Construction, Distribution & Production Managers
Code	Description																																																																																												
-1	Unknown																																																																																												
11	Generalist Managers																																																																																												
12	Specialist Managers																																																																																												
13	Farmers and Farm Managers																																																																																												
21	Science, Building and Engineering Professionals																																																																																												
22	Business and Information Professionals																																																																																												
23	Health Professionals																																																																																												
24	Education Professionals																																																																																												
25	Social, Arts and Misc Professionals																																																																																												
31	Science, Building and Related Associate Professionals																																																																																												
32	Business and Administration Associate Professionals																																																																																												
33	Managing Supervisors (Sales and Service)																																																																																												
34	Health and Welfare Associate Professionals																																																																																												
39	Other Associate Professionals																																																																																												
41	Mechanical and Fabrication Engineering Tradespersons																																																																																												
44	Construction Tradespersons																																																																																												
45	Food Tradespersons																																																																																												
46	Skilled Agricultural and Horticultural Workers																																																																																												
49	Other Tradespersons and Related Workers																																																																																												
51	Secretaries and Personal Assistants																																																																																												
59	Other Advanced and Clerical Service Workers																																																																																												
61	Immediate Clerical Workers																																																																																												
62	Immediate Sales and Related Workers																																																																																												
63	Immediate Service Workers																																																																																												
71	Intermediate Plant Operators																																																																																												
72	Intermediate Machine Operators																																																																																												
73	Road and Rail Transport Drivers																																																																																												
79	Other Intermediate Productions and Transport Workers																																																																																												
81	Elementary Clerks																																																																																												
82	Elementary Sales Workers																																																																																												
83	Elementary Service Workers																																																																																												
91	Cleaners																																																																																												
92	Factory Labourers																																																																																												
99	Other Labourers and Related Workers																																																																																												
101	Student																																																																																												
Code	Description																																																																																												
-1	Unknown																																																																																												
0	Other (Specify)																																																																																												
101	Student																																																																																												
111	Chief Executives, General Managers and Legislators																																																																																												
121	Farmers and Farm Managers																																																																																												
131	Specialist Managers-Advertising, Public Relations & Sales Managers																																																																																												
132	Specialist Managers-Business Administration Managers																																																																																												
133	Specialist Managers-Construction, Distribution & Production Managers																																																																																												

- 134 Specialist Managers-Education, Health & Welfare Services Managers
- 135 Specialist Managers-ICT Managers
- 139 Specialist Managers-Miscellaneous Specialist Managers
- 141 Hospitality, Retail and Service Managers-Accommodation & Hospitality Managers
- 142 Hospitality, Retail and Service Managers-Retail Managers
- 149 Hospitality, Retail and Service Managers-Miscellaneous Hospitality
- 211 Arts and Media Professionals-Arts Professionals
- 212 Arts and Media Professionals-Media Professionals
- 221 Business, Human Resource and Marketing Professionals-Accountants, Auditors & Company Secretaries
- 222 Business, Human Resource and Marketing Professionals-Financial Brokers & Dealers, & Investment Advisers
- 223 Business, Human Resource and Marketing Professionals-Human Resource & Training Professionals
- 224 Business, Human Resource and Marketing Professionals-Information & Organisation Professionals
- 225 Business, Human Resource and Marketing Professionals-Sales, Marketing & Public Relations Professionals
- 231 Design, Engineering, Science and Transport Professionals-Air & Marine Transport Professionals
- 232 Design, Engineering, Science and Transport Professionals-Architects, Designers, Planners & Surveyors
- 233 Design, Engineering, Science and Transport Professionals-Engineering Professionals
- 234 Design, Engineering, Science and Transport Professionals-Natural & Physical Science Professionals
- 241 Education Professionals-School Teachers
- 242 Education Professionals-Tertiary Education Teachers
- 249 Education Professionals-Miscellaneous
- 251 Health Professionals-Health Diagnostic & Promotion Professionals
- 252 Health Professionals-Health Therapy Professionals
- 253 Health Professionals-Medical Practitioners
- 254 Health Professionals-Midwifery & Nursing Professionals
- 261 ICT Professionals-Business & Systems Analysts, & Programmers
- 262 ICT Professionals-Database & Systems Administrators, & ICT Security Specialists
- 263 ICT Professionals-ICT Network & Support Professionals
- 271 Legal, Social and Welfare Professionals-Legal Professionals
- 272 Legal, Social and Welfare Professionals-Social & Welfare Professionals
- 311 Engineering, ICT and Science Technicians-Agricultural, Medical & Science Technicians
- 312 Engineering, ICT and Science Technicians-Building & Engineering Technicians
- 313 Engineering, ICT and Science Technicians-ICT & Telecommunications Technicians
- 321 Automotive and Engineering Trades Workers-Automotive Electricians & Mechanics
- 322 Automotive and Engineering Trades Workers-Fabrication Engineering Trades Workers
- 323 Automotive and Engineering Trades Workers-Mechanical Engineering Trades Workers
- 324 Automotive and Engineering Trades Workers-Panelbeaters, & Vehicle Body Builders, Trimmers & Painters
- 331 Construction Trades Workers-Bricklayers, & Carpenters & Joiners
- 332 Construction Trades Workers-Floor Finishers & Painting Trades Workers
- 333 Construction Trades Workers-Glaziers, Plasterers & Tilers
- 334 Construction Trades Workers-Plumbers
- 341 Electrotechnology and Telecommunications Trades Worker-Electricians

342	Electrotechnology and Telecommunications Trades Worker- Electronics & Telecommunications Trades Workers
351	Food Trades Workers
361	Skilled Animal and Horticultural Workers-Animal Attendants & Trainers, & Shearers
362	Skilled Animal and Horticultural Workers-Horticultural Trades Workers
391	Other Technicians and Trades Workers-Hairdressers
392	Other Technicians and Trades Workers-Printing Trades Workers
393	Other Technicians and Trades Workers-Textile, Clothing & Footwear Trades Workers
394	Other Technicians and Trades Workers-Wood Trades Workers
399	Other Technicians and Trades Workers-Miscellaneous
411	Health and Welfare Support Workers
421	Carers and Aides-Child Carers
422	Carers and Aides-Education Aides
423	Carers and Aides-Personal Carers & Assistants
431	Hospitality Workers
441	Protective Service Workers-Defence Force Members, Fire Fighters & Police
442	Protective Service Workers-Prison & Security Officers
451	Sports and Personal Service Workers-Personal Service & Travel Workers
452	Sports and Personal Service Workers-Sports & Fitness Workers
511	Office Managers and Program Administrators-Contract, Program & Project Administrators
512	Office Managers and Program Administrators-Office & Practice Managers
521	Personal Assistants and Secretaries
531	General Clerical Workers-General Clerks
532	General Clerical Workers-Keyboard Operators
541	Inquiry Clerks and Receptionists-Call or Contact Centre Information Clerks
542	Inquiry Clerks and Receptionists-Receptionists
551	Numerical Clerks-Accounting Clerks & Bookkeepers
552	Numerical Clerks-Financial & Insurance Clerks
561	Clerical and Office Support Workers
591	Other Clerical and Administrative Workers-Logistics Clerks
599	Other Clerical and Administrative Workers-Miscellaneous
611	Sales Representatives and Agents-Insurance Agents & Sales Representatives
612	Sales Representatives and Agents-Real Estate Sales Agents
621	Sales Assistants and Salespersons
631	Sales Support Workers-Checkout Operators & Office Cashiers
639	Sales Support Workers-Miscellaneous
711	Machine and Stationary Plant Operators-Machine Operators
712	Machine and Stationary Plant Operators-Stationary Plant Operators
721	Mobile Plant Operators
731	Road and Rail Drivers-Automobile, Bus & Rail Drivers
732	Road and Rail Drivers-Delivery Drivers
733	Road and Rail Drivers-Truck Drivers
741	Storepersons
811	Cleaners and Laundry Workers
821	Construction and Mining Labourers
831	Factory Process Workers-Food Process Workers
832	Factory Process Workers-Packers & Product Assemblers
839	Factory Process Workers-Miscellaneous
841	Farm, Forestry and Garden Workers
851	Food Preparation Assistants
891	Other Labourers-Freight Handlers & Shelf Fillers
899	Other Labourers-Miscellaneous

<b>Purpose</b>	Population description
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists
<b>Collection start</b>	October 2006, Updated to ANZSCO Version 1.2 for cases with date of injury from 1 July 2019
<b>Definition source</b>	VSTORM and VOTOR
<b>Code set source</b>	Aust. Standards Classification of Occupations (ASCO) 2 <sup>nd</sup> Edition, ABS Cat. no. 1220.0 ANZSCO -- Australian and New Zealand Standard Classification of Occupations, Version 1.2

## 13.3 Reason not Working or Studying

---

<b>Definition</b>	Whether the patient was working or studying prior to the injury event		
<b>Database Name</b>	WorkNoReason	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code Set</b>	_workNoReason (reference table)		
	<b>Code</b>	<b>Description</b>	
	-1	Unknown	
	0	Other (Specify)	
	1	Disability pension	
	2	WorkCover	
	3	Unemployed	
	4	Retired	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Population description		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 13.4 Reason not Working or Studying (Specify Other)

---

<b>Definition</b>	Text description of the reason why patient was not engaged in work or study prior to the injury event, if it did not fall within the prescribed categories		
<b>Database Name</b>	WorkPriorOther	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	AAAAAAAAAAAAAAAA
<b>Code Set</b>	-		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Population description		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 13.5 Capacity of Work Prior to Injury

---

<b>Definition</b>	The patient's work/study load prior to the injury event		
<b>Database Name</b>	WorkPriorCapacity	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code Set</b>	_sixfollowworkcapacity (reference table)		
	<b>Code</b>	<b>Description</b>	
	-2	NA	
	-1	Unknown	
	1	Work full time	
	2	Work part time	
	3	Study full time	
	4	Study part time	
	5	Work full time and study part time	
	6	Work part time and study full time	
	7	Work part time and study part time	
	9	Other	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Population description		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 13.6 Capacity of Work Prior to Injury (Specify Other)

---

<b>Definition</b>	Text description of the work/study load of the patient prior to the injury event, if it did not fall within the prescribed categories		
<b>Database Name</b>	WorkPriorCapOther	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	AAAAAAAAAAAAAAAA
<b>Code Set</b>	-		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Population description		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 13.7 Level of Education

---

<b>Definition</b>	The patient's highest educational or vocational qualification obtained		
<b>Database Name</b>	Education	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Code Set</b>	_education (reference table)		
	<b>Code</b>	<b>Description</b>	
	-1	Unknown	
	1	Postgraduate degree, graduate diploma or graduate certificate	
	2	Bachelor degree	
	3	Advanced diploma, diploma or certificate	
	4	Year 12, VCE, matriculation or equivalent	
	5	Years 9-11 or equivalent	
	6	Year 8 equivalent or below	
	7	Primary school	
	8	Did not go to school	
	9	Still at school	
	99	Other (please specify)	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Population description		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists		
<b>Collection start</b>	October 2006		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 13.8 Level of Education (Specify)

---

<b>Definition</b>	Text description of the patient's highest education or vocational qualification obtained, if it did not fall within the prescribed categories		
<b>Database Name</b>	EducationOther	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	AAAAAAAAAAAAAAAA
<b>Code Set</b>	-		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Population description		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists		
<b>Collection start</b>	October 2006		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 13.9 Marital/Relationship status

---

<b>Definition</b>	Prior/at the time of injury what was your marital/relationship status?
<b>Database Name</b>	MaritalStatusPrior
<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric
<b>Form</b>	Code
<b>Field size</b>	1
<b>Layout</b>	N

<b>Code Set</b>	<b>_maritalStatus</b>	
	<b>Code</b>	<b>Description</b>
	1	Single - Never married
	2	Currently married
	3	Separated
	4	Divorced
	5	Widowed
	6	Living with partner (de facto relationship)
	7	Partnered but not living together
	99	Other
	-1	Unknown
	-2	Not applicable

### Reporting guide

<b>Purpose</b>	Outcomes reporting
<b>Data users</b>	VSTORM VOTOR follow up staff, Epidemiologists, DH reporting
<b>Collection start</b>	11 January 2016
<b>Definition source</b>	VSTORM and VOTOR
<b>Code set source</b>	VSTORM

## 14 Contact Attempts

---

---

<b>Content</b>	Information about attempts made to contact patient for follow-up at 6, 12 and 24-month time points post-injury. Follow-up at 36, 48 and 60 month time points post-injury for RESTORE project cases (for selected patients with date of injury from 1 July 2011 to 30 June 2012).
<b>Collected by</b>	VSTORM and VOTOR Follow Up Staff
<b>Collected for</b>	All VSTORM major trauma patients who survived to discharge and without a known death or opt off after discharge for 6,12 and 24 month follow up. All VOTOR patients who survived to discharge and without a known death or opt off after discharge for 6 and 12 month follow up. For 24 month follow up VOTOR patients with a date of injury $\geq$ 1/7/2011 with all cause codes excluding <ul style="list-style-type: none"><li>• age <math>\geq</math> 60 cause code = 9, 29 or 30 with the following ICD-10-AMdiagnosis codes S720, S7200, S7201, S7208, S7211, S7202, S7203, S7204,S7205, S721, S7210</li><li>• age <math>\geq</math> 80 with cause code = 9, 29 or 30 irrespective of ICD-10-AM injury codes</li></ul>
<b>Data source</b>	VSTORM, VOTOR Patients
<b>Database Location</b>	ContactAttempt Table
<b>Reporting Guide</b>	There is one set of Contact Attempt records per follow-up period. When follow-up data is provided: Six month follow-up records prefixed with M06_ Twelve month follow-up records prefixed with M12_ 24 month follow-up records prefixed with M24_

## 14.1 Date/Time of Contact Attempt

---

<b>Definition</b>	The date and time VSTORM and VOTOR staff attempted to contact patient, for that follow-up period. Up to ten attempts recorded.		
<b>Database Name</b>	ContAtt{n}Date, where {n} is a number 1–10		
<b>Collection</b>	Mandatory (where applicable)		
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code set</b>	A valid date and time after Arrival time in valid 24-hour time (not 00:00 or 24:00), or Null		
<b>Reporting guide</b>	<b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	Internal use		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 14.2 Reschedule Date/Time of Contact Attempt

---

<b>Definition</b>	The reschedule date and time for VSTORM and VOTOR staff to contact patient, for that follow-up period. Up to ten reschedule date and times recorded.		
<b>Database Name</b>	ContAtt{n}RescheduleDate, where {n} is a number 1–10		
<b>Collection</b>	Mandatory (where applicable)		
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code set</b>	A valid date and time after Arrival time in valid 24-hour time (not 00:00 or 24:00), or Null		
<b>Reporting guide</b>	<b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	Internal use		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	2015		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 14.3 Contact Attempt Notes

---

<b>Definition</b>	Text description of the result of the contact attempt.		
<b>Database Name</b>	ContAtt{n}Note, where {n} is a number 1-10		
<b>Collection</b>	Mandatory (where applicable)		
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	200	<b>Layout</b>	AAAAAAAAAAAAAAAA
<b>Code Set</b>	-		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Internal use		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 14.4 Successful Contact Attempt\_Follow up type

**Definition** Whether or not VSTORM staff were able to complete the interview for the follow-up period

**Database Name** ContactSuccessful **Collection** Mandatory (where applicable)

**Datatype** Numeric **Form** Code

**Field size** 1 **Layout** N

**Code Set** \_contactSuccessful1 (reference table)

### **Code Description**

0	No
1	Yes
2	In Progress
3	Partial Data Collection
4	Patient Death
5	Partial opt off (opt off from follow-up)

**Purpose** Internal use, determining contact success

**Data users** VSTORM and VOTOR Staff, Epidemiologists

**Collection start** October 2003

**Definition source** VSTORM and VOTOR

**Code set source** VSTORM

### **Follow Up Type**

**Definition** Mode of completion for successful follow-up

**Database Name** FollowUpType **Collection** Mandatory (where applicable)

**Datatype** Numeric **Form** Code

**Field size** 1 **Layout** N

**Code Set** \_followUpType (reference table)

### **Code Description**

1	Email
2	Phone
3	Email to Phone
4	Phone to Email

**Purpose** Internal use, determining mode of follow-up completion

**Data users** VSTORM and VOTOR Staff, Epidemiologists

**Collection start** October 2003 – updated to include online (email) for cases with date of injury from 1 April 2020

**Definition source** VSTORM and VOTOR

**Code set source** VSTORM

## 14.5 Reason Unsuccessful

---

<b>Definition</b>	Reason why contact with patient was unsuccessful		
<b>Database Name</b>	_UnsuccessfulReason1	<b>Collection</b>	Mandatory when successful=0
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_unsuccessfulReason1 (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Overseas Address	
	2	No Contact Details	
	3	Phone disconnected	
	4	Wrong Number	
	5	No Answer after 4 <sup>th</sup> Attempt	
	6	Language Barrier	
	7	Not interested at this time only	
	8	Less than 15 years	
	9	No further contact requested (Partial Opt-Off)	
	10	Other	
	11	Data received >9 months after injury	
	12	Follow-up time exceeded	
	13	Nursing home (VOTOR only patients with DOIJ from 1/7/2017 in a nursing home do not meet criteria for follow up)	
	14	Incarcerated	
	15	Non-responder to email mode for follow-up	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Internal use, determining patient mortality		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 14.6 Patient Status

---

<b>Definition</b>	The patient status if follow up was unsuccessful		
<b>Database Name</b>	PatientStatus	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_patientStatus (reference table)		
	<b>Code</b>	<b>Description</b>	
	0	Patient Alive	
	-1	Unknown	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Internal use, determining patient status if follow up not able to be completed		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 14.7 Reason Partial

---

<b>Definition</b>	Reason for partial follow up only		
<b>Database Name</b>	PartialReason	<b>Collection</b>	Mandatory if successful=3
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_partialReason (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Dementia	
	2	Head injury	
	3	Other	
	4	Non-cooperative	
	5	Unwell	
	6	Language Barrier	
	7	Patient Moved Overseas	
	8	Parent opts for parent report only	
	9	In hospital/rehab	
	10	Patient not available	
	11	Patient requested short interview	
	12	Difficult interview	
	13	Nursing home	
	14	Communications barrier	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Internal use, determining patient status if partial follow up only completed		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 14.8 Specify other reason

---

<b>Definition</b>	Reason for partial follow up only or unsuccessful follow up		
<b>Database Name</b>	ContactOther		
<b>Collection</b>	Mandatory if reasonunsuccessful=10 or reasonpartial=3		
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	AAAAAAAAAAAAAAAAAAAAAAAAA
<b>Code Set</b>	-		
<b>Reporting guide</b>	Specify other reason for unsuccessful or partial follow up		
<b>Purpose</b>	Internal use, determining reason for unsuccessful or partial follow up		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 14.9 Death Date

---

<b>Definition</b>	The date and time patient died (post-discharge)		
<b>Database Name</b>	DeathDate		
<b>Collection</b>	Mandatory, where patient was reported to have died in 15.3 Contact Attempt Status		
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code set</b>	A valid date and time after Arrival time in valid 24-hour time (not 00:00 or 24:00), or Null		
<b>Reporting guide</b>	Time of death not available for most cases (will display as 00:00). Enter 09/09/9999 for unknown date of death. From August 1 2019: If month and year is known but day is unknown enter 15 <sup>th</sup> of the known month and year. Include text detailing actual day of death is unknown.  <b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	Determining patient mortality		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 14.10 Completion Date

---

<b>Definition</b>	The date and time follow-up interview was completed		
<b>Database Name</b>	CompleteDate	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Date
<b>Field size</b>	8	<b>Layout</b>	DD/MM/CCYY HH:NN
<b>Code set</b>	A valid date and time after Arrival time in valid 24-hour time (not 00:00 or 24:00), or Null		
<b>Reporting guide</b>	<b>Midnight</b> Following international convention, midnight is either 23:59 of preceding date or 00:01 of following date (00:00 and 24:00 are not accepted).		
<b>Purpose</b>	To record the date and time patient, or patient's representative contacted VSTORM		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 14.11 Contact Person

---

<b>Definition</b>	The interviewee's relation to the patient		
<b>Database Name</b>	ContactPerson	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code set</b>	_relation (reference table)		
	<b>Code</b>	<b>Description</b>	
	-1	Unknown	
	0	Patient	
	1	Parent	
	2	Spouse (including de facto)	
	3	Child	
	4	Sibling	
	5	Friend	
	6	GP	
	7	Other (specify)	
	8	Other Health Professional	
	9	Other guardian	
	-1	Unknown	
<b>Definition</b>	Other contact person		
<b>Database Name</b>	ContactPersonOther		
<b>Collection</b>	Mandatory if ContactPerson=7		
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	AAAAAAAAAAAAAAAAAAAAAAAAA
<b>Reporting guide</b>	Free text field to specify other contact persn		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Internal use		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 14.12 Consent for Further Interviews

---

**Definition** The interviewee's consent for further interview or future research projects. "Thank you for your time completing this interview. If we do receive additional funding to extend our time points for follow up and/or future research projects, would you be happy for us to contact you again in the future?"

**Database Name** NextContact      **Collection** Mandatory (where applicable)

**Datatype** Numeric      **Form** Code

**Field size** 1      **Layout** N

**Code set** \_nextContact (reference table)

<b>Code</b>	<b>Description</b>
-------------	--------------------

1	Yes
---	-----

7	Not interested next 6 months only
---	-----------------------------------

9	No further contact requested (partial opt-off)
---	--

**Reporting guide** -

**Purpose** Internal use only, Opt-offs

**Data users** VSTORM and VOTOR Staff

**Collection start** October 2006

**Definition source** VSTORM and VOTOR

**Code set source** VSTORM

## 14.13 Additional Comments

---

<b>Definition</b>	Free text field to record any further details		
<b>Database Name</b>	ContactComents	<b>Collection</b>	Optional
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	5000	<b>Layout</b>	AAAAAAAAAAAAAAAA
<b>Code Set</b>	-		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Internal use only		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 14.14 Escalation Type

---

<b>Definition</b>	Escalate follow up to supervisor		
<b>Database Name</b>	EscalateType	<b>Collection</b>	Optional
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	1
<b>Code Set</b>	_escalationType (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Update contact details	
	2	Difficult	
	3	Complaint	
	4	Complete opt-off	
	5	Loss to follow-up	
	6	Other	
	7	Fax required	
	8	Letter to be re-sent	
	9	Awaiting admin	
	10	Duplicate admission	
	11	Duplicate admission check	
	12	TIS interview required	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Administration, notify follow up supervisor with follow up issues, internal use only		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	2015, Translating and Interpreting Service (TIS) interview required added in July 2022		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM/VOTOR		

## 14.15 Escalation Comments

---

<b>Definition</b>	Comments regarding escalation of follow up to supervisor		
<b>Database Name</b>	EscalateComments	<b>Collection</b>	Optional
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	5000	<b>Layout</b>	AAAAAAAAAAAAAAAAAAAA
<b>Code Set</b>	-		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Administration, comments when notifying follow up supervisor of follow up issues, internal use only		
<b>Data users</b>	VSTORM and VOTOR Staff		
<b>Collection start</b>	2015		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM/VOTOR		

## 15 Patient Interview

---

---

<b>Content</b>	Information about the patient's residential status, and whether the patient has returned to work, at the 6, 12 and 24 month time points post injury. Follow-up at 36, 48 and 60 month time points post-injury for RESTORE project cases (for selected patients with date of injury from 1 July 2011 to 30 June 2012).
<b>Collected by</b>	VSTORM and VOTOR Follow Up Staff
<b>Collected for</b>	All major trauma patients and VOTOR patients who have consented to a telephone interview.
<b>Data source</b>	VSTORM, VOTOR Patient (telephone interview)
<b>Database Location</b>	vsPI Table
<b>Reporting Guide</b>	There is one set of Patient Interview records per follow-up period. When follow-up data is provided: Six month follow-up records prefixed with M06_ Twelve month follow-up records prefixed with M12_ 24 month follow-up records prefixed with M24_
<b>Collection start</b>	All adult major trauma patients definitively managed at an MTS have been followed up at six months since injury from July to September 2003 and this was extended to all adult major trauma patients across the state from October to December 2005. Follow-up at 12 and 24 months after injury commenced for all adult major trauma cases with a date of injury from October 2006. Follow-up of paediatric (aged less than 16 years) major trauma cases commenced for patients with a date of injury from 1 April 2010. Follow-up commenced for all VOTOR patients with date of injury from 2007. Interviews by telephone from 2003 and an option for online follow up commenced for adult patients with date of injury from 1 April 2020 (except for patients with AIS head region severity score > 2 requiring completion of GOS-E by phone interview). Translating and Interpreting Service (TIS) interviews, where required, commenced in July 2022.
<b>Definition source</b>	VSTORM/VOTOR

## 15.1 Marital/Relationship Status

---

<b>Definition</b>	Has there been any change to your marital/relationship status after injury?
<b>Database Name</b>	MaritalStatusChange
<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric
<b>Form</b>	Code
<b>Field size</b>	1
<b>Layout</b>	N
<b>Code set</b>	

<b>Code</b>	<b>Description</b>
0	No
1	Yes
-1	Unknown
-2	Not applicable

### Reporting guide

<b>Purpose</b>	Outcomes reporting
<b>Data users</b>	VSTORM VOTOR follow up Staff, Epidemiologists, DH Reporting
<b>Collection start</b>	11 January 2016
<b>Definition source</b>	VSTORM
<b>Code set source</b>	VSTORM

## 15.2 Marital/Relationship Status

---

<b>Definition</b>	What is your current marital/relationship status?																				
<b>Database Name</b>	MaritalStatusAfter																				
<b>Collection</b>	Mandatory																				
<b>Datatype</b>	Numeric																				
<b>Form</b>	Code																				
<b>Field size</b>	1																				
<b>Layout</b>	N																				
<b>Code set</b>	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>1</td><td>Never married</td></tr><tr><td>2</td><td>Currently married</td></tr><tr><td>3</td><td>Separated</td></tr><tr><td>4</td><td>Divorced</td></tr><tr><td>5</td><td>Widowed</td></tr><tr><td>6</td><td>Living with partner (defacto relationship)</td></tr><tr><td>7</td><td>Partnered but not living together</td></tr><tr><td>-1</td><td>Unknown</td></tr><tr><td>-2</td><td>Not applicable</td></tr></tbody></table>	Code	Description	1	Never married	2	Currently married	3	Separated	4	Divorced	5	Widowed	6	Living with partner (defacto relationship)	7	Partnered but not living together	-1	Unknown	-2	Not applicable
Code	Description																				
1	Never married																				
2	Currently married																				
3	Separated																				
4	Divorced																				
5	Widowed																				
6	Living with partner (defacto relationship)																				
7	Partnered but not living together																				
-1	Unknown																				
-2	Not applicable																				
<b>Reporting guide</b>	Only required when the answer to change in Marital/Relationship Status was '1-Yes'																				
<b>Purpose</b>	Outcomes reporting																				
<b>Data users</b>	VSTORM VOTOR follow up staff, Epidemiologists, DH Reporting																				
<b>Collection start</b>	11 January 2016																				
<b>Definition source</b>	VSTORM																				
<b>Code set source</b>	VSTORM																				

## 15.3 Current Residential Status

<b>Definition</b>	The patient's residential status; whether living with or without additional care, at this time point. Interview/online question: Where are you currently living? Select from drop down menu.		
<b>Database Name</b>	ResStatus	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code set</b>	_resStatus (reference table)		
	<b>Code</b>	<b>Description</b>	
	-1	Unknown	
	1	At home – without additional care (completely independent post injury)	
	2	At home – with additional care (requiring some assistance post injury) <i>This may include assistance required with household duties (cleaning, meals, gardening, shopping) or personal care (toileting, dressing, administering medication) by family, friends, neighbours or community on a regular basis post injury.</i>	
	3	At hospital	
	4	At rehabilitation centre	
	5	At a nursing home	
	6	At a hospice or hostel	
	7	Supported Residential Services	
	8	Transitional care	
	9	Other	
	10	Homeless	
	11	Retirement Village – are they independent? Do you require any care post injury? <i>(This may include assistance required with household duties (cleaning, meals, gardening, shopping) or personal care (toileting, dressing, administering medication) by family, friends, neighbours or community on a regular basis post injury.</i>	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Population description		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 15.4 Current Residential Status (Specify)

---

<b>Definition</b>	The residential status of the patient at this time point, if it did not fit within the specified categories		
<b>Database Name</b>	ResStatusOther	<b>Collection</b>	Optional
<b>Datatype</b>	Alphanumeric	<b>Form</b>	Text
<b>Field size</b>	50	<b>Layout</b>	AAAAAAAAAAAAAAAA
<b>Code Set</b>	-		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Population description		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	October 2003		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 15.5 Return to Work

---

<b>Definition</b>	Whether the patient has returned to work at this time point.		
<b>Database Name</b>	WorkAfter	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	N
<b>Code set</b>	_workAfter (reference table)		
	If you/they were working or studying prior to injury, have you/they returned?		
	<b>Code</b>	<b>Description</b>	
	-1	Unknown	
	0	No	
	1	Yes	
	If 0 (No), reason:		
	Is this injury related or are you now retired?		
	<b>Code</b>	<b>Description</b>	
	9	Unknown	
	1	Injury related	
	3	Now retired	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Population description		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	October 2003, reason for not working (including COVID-19 option) added May 2020 and removed February 2024.		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 15.6 Return to Work (Same Organisation)

---

<b>Definition</b>	If the patient has returned to work, whether he/she returned to the same organisation he/she worked for prior to injury		
<b>Database Name</b>	WorkOrgSame	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA (reference table)		
	Is this with the same business, organisation or institution as prior to your/their injury?		
	<b>Code</b>	<b>Description</b>	
	-1	Unknown	
	0	No	
	1	Yes	
	If 0 (No), reason:		
	Is this injury related?		
	<b>Code</b>	<b>Description</b>	
	9	Unknown	
	1	Injury related	
	2	COVID-19 related (removed February 2024)	
	99	Other	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Population description		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	October 2006, reason for not returning to same organisation (including COVID-19 option) added May 2020 and removed February 2024.		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 15.7 Return to Work (Same Role)

---

<b>Definition</b>	If the patient has returned to work, whether he/she has the same role he/she performed prior to injury		
<b>Database Name</b>	WorkRoleSame	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA (reference table)		
	Is this in the same role?		
	<b>Code</b>	<b>Description</b>	
	-1	Unknown	
	0	No	
	1	Yes	
	If 0 (No), reason:		
	Is this injury related?		
	<b>Code</b>	<b>Description</b>	
	9	Unknown	
	1	Injury related	
	2	COVID-19 related (removed February 2024)	
	99	Other	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Population description		
<b>Data users</b>	VSTORM and VOTOR Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	October 2006, reason for not returning to same role (including COVID-19 option) added May 2020 and removed February 2024.		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 16 Pain

---

---

<b>Content</b>	Information about the level of pain felt, and where, at the time of the interview
<b>Collected by</b>	VSTORM Follow Up Staff
<b>Collected for</b>	All major trauma patients who have consented to a telephone interview.
<b>Data source</b>	VSTORM, Patient (telephone interview)
<b>Database Location</b>	vsPI Table
<b>Reporting Guide</b>	There is one set of Patient Interview records per follow-up period. When follow-up data is provided: Six month follow-up records prefixed with M06_ Twelve month follow-up records prefixed with M12_ 24 month follow-up records prefixed with M24_

### 16.1 Pain Level

---

<b>Definition</b>	The level of physical pain felt by the patient as a result of the injury event, at the time of the interview		
<b>Database Name</b>	Pain	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Code set</b>	Scale of 0-10, where 0 is no pain and 10 is the worst possible pain, -1 is used for unknown		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists		
<b>Collection start</b>	October 2006		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 16.2 Pain Region

---

<b>Definition</b>	The region of the body in which the patient feels pain (if any)		
<b>Database Name</b>	Region	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Code set</b>	_painRegion (reference table)		

<b>Code</b>	<b>Description</b>
-------------	--------------------

-2	NA
-1	Unknown
1	Head
2	Face
3	Neck
4	Thorax
5	Abdomen
6	Lower back
7	Pelvis
8	Shoulder
9	Upper arm
10	Elbow
11	Forearm
12	Wrist
13	Hand
14	Hip
15	Thigh
16	Knee
17	Lower leg
18	Ankle
19	Foot
20	Upper back

**Reporting guide** -

**Purpose** Outcomes reporting

**Data users** VSTORM Staff, Epidemiologists

**Collection start** October 2006, upper back added February 2024

**Definition source** VSTORM and VOTOR

**Code set source** VSTORM

## 16.3 Pain Side

---

<b>Definition</b>	The side of the body in which the patient feels pain (if any)		
<b>Database Name</b>	Side	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_painSide (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Right	
	2	Left	
	3	Bilateral	
	4	Central	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists		
<b>Collection start</b>	October 2006		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 17 SF-12 Health Survey - not active

---

<b>Content</b>	Patient responses to the Short-Form 12-Item health survey questions, and the physical and mental health scores derived from the answers. 6-month SF12 information available for patients injured until 30/6/2015, 12-month SF-12 follow-up information available for patients injured until 31/12/2014, 24-month SF-12 follow-up information available for patients injured until 31/12/2013.
<b>Collected by</b>	VSTORM/VOTOR Follow Up Staff
<b>Collected for</b>	All major trauma patients who have consented to a telephone interview.
<b>Data source</b>	VSTORM/VOTOR, Patient (telephone interview)
<b>Database Location</b>	vsPainSF12 Table
<b>Reporting Guide</b>	There is one set of Patient Interview records per follow-up period: Six month follow-up records prefixed with M06_ 12 month follow-up records prefixed with M12_ 24 month follow-up records prefixed with M24_
<b>Collection dates</b>	From October 2006 to January 10 2016

### Reference tables

#### **\_sfHeal**

<b>Code</b>	<b>Description</b>
-1	Unknown
1	Excellent
2	Very Good
3	Good
4	Fair
5	Poor

#### **\_sfFeel**

<b>Code</b>	<b>Description</b>
-1	Unknown
1	All of the time
2	Most of the time
3	Good bit of the time
4	Some of the time
5	Little of the time
6	None of the time

#### **\_sfLimit**

<b>Code</b>	<b>Description</b>
-1	Unknown
1	Yes, Limited a lot
2	Yes, Limited a little
3	No, not limited at all

#### **\_sfPain**

<b>Code</b>	<b>Description</b>
-1	Unknown
1	Not at all
2	A little bit
3	Moderately
4	Quite a bit
5	Extremely

#### **Yes/No**

<b>Code</b>	<b>Description</b>
-1	Unknown
0	No
1	Yes

## 17.1 SF1

---

<b>Definition</b>	In general, do you think your health is...		
<b>Database Name</b>	SF1	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_sfHeal – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	SF12 Manual 3 <sup>rd</sup> Edition		

## 17.2 SF2

---

<b>Definition</b>	Does your physical health now limit you in moderate activities such as moving a table, pushing a vacuum cleaner, bowling or playing golf? If so, how much?		
<b>Database Name</b>	SF2	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_sfLimit – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	SF12 Manual 3 <sup>rd</sup> Edition		

## 17.3 SF3

---

<b>Definition</b>	Does your physical health now limit you in climbing several flights of stairs? If so, how much?		
<b>Database Name</b>	SF3	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_sfLimit – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	SF12 Manual 3 <sup>rd</sup> Edition		

## 17.4 SF4

---

<b>Definition</b>	During the past week, have you accomplished less than you would like as a result of your physical health?		
<b>Database Name</b>	SF4	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	Yes/No See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	SF12 Manual 3 <sup>rd</sup> Edition		

## 17.5 SF5

---

<b>Definition</b>	During the past week, were you limited in the kind of work or other activities you performed or took part in as a result of your physical health?		
<b>Database Name</b>	SF5	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	Yes/No See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	SF12 Manual 3 <sup>rd</sup> Edition		

## 17.6 SF6

---

<b>Definition</b>	During the past week, have you accomplished less than you would like, as a result of any emotional problems (such as feeling depressed or anxious)?		
<b>Database Name</b>	SF6	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	Yes/No See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	SF12 Manual 3 <sup>rd</sup> Edition		

## 17.7 SF7

---

<b>Definition</b>	During the past week, have you not worked or performed other activities as carefully as usual, as a result of any emotional problems (such as feeling depressed or anxious?)		
<b>Database Name</b>	SF7	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	Yes/No See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	SF12 Manual 3 <sup>rd</sup> Edition		

## 17.8 SF8

---

<b>Definition</b>	During the past week, how much did pain interfere with your normal work (including both work outside the home and housework?)		
<b>Database Name</b>	SF8	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_sfPain – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	SF12 Manual 3 <sup>rd</sup> Edition		

## 17.9 SF9

---

<b>Definition</b>	During the past week, have you felt calm and peaceful?		
<b>Database Name</b>	SF9	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_sfFeel – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	SF12 Manual 3 <sup>rd</sup> Edition		

## 17.10 SF10

---

<b>Definition</b>	Did you have a lot of energy during the past week?		
<b>Database Name</b>	SF10	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_sfFeel – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	SF12 Manual 3 <sup>rd</sup> Edition		

## 17.11 SF11

---

<b>Definition</b>	During the past week, have you felt downhearted and blue?		
<b>Database Name</b>	SF11	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_sfFeel – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	SF12 Manual 3 <sup>rd</sup> Edition		

## 17.12 SF12

---

<b>Definition</b>	During the past week, how much of the time has your physical health or emotional problems interfered with your social activities (like visiting friends, relatives etc.)?		
<b>Database Name</b>	SF12	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_sfFeel except option 3: Good bit of the time		
	<b>Code</b>	<b>Description</b>	
	-1	Unknown	
	1	All of the time	
	2	Most of the time	
	4	Some of the time	
	5	Little of the time	
	6	None of the time	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	SF12 Manual 3 <sup>rd</sup> Edition		

## 17.13 SF12 Mental Component Summary Score

---

<b>Definition</b>	The norm-based SF12 MCS calculated from survey responses		
<b>Database Name</b>	SF_MenScore	<b>Collection</b>	Calculated
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Code set</b>	-		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	-		

## 17.14 SF12 Physical Component Summary Score

---

<b>Definition</b>	The norm-based SF12 PCS calculated from survey responses		
<b>Database Name</b>	SF_PhyScore	<b>Collection</b>	Calculated
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Code set</b>	-		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists, DH Reporting		
<b>Collection dates</b>	From October 2006 to January 10 2016		
<b>Definition source</b>	VSTORM and VOTOR: QualityMetric Inc.		
<b>Code set source</b>	-		

## 18 WHODAS

---

---

<b>Content</b>	Patient responses to the World Health Organization Disability Assessment Scale (WHODAS) survey questions, and the health scores derived from the answers
<b>Collected by</b>	VSTORM/VOTOR Follow Up Staff
<b>Collected for</b>	All major trauma /VOTOR patients who have consented to a telephone interview or online follow-up.
<b>Data source</b>	VSTORM/VOTOR, Patient (telephone interview or online follow-up)
<b>Database Location</b>	vsWHODAS
<b>Reporting Guide</b>	There is one set of Patient Interview records per follow-up period.  When follow-up data is provided: Six month follow-up records prefixed with M06_ 12 month follow-up records prefixed with M12_ 24 month follow-up records prefixed with M24_
<b>Collection start date</b>	January 11 2016

## 18.1 WHODAS Proxy

---

<b>Definition</b>	Whether the WHODAS was completed by the Patient or Proxy
<b>Database Name</b>	Proxy
<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric
<b>Form</b>	Code
<b>Field size</b>	1
<b>Layout</b>	N
<b>Code set</b>	-
<b>Reporting guide</b>	-
<b>Purpose</b>	Outcomes reporting
<b>Data users</b>	Epidemiologists, DH Reporting
<b>Collection start</b>	11 January 2016
<b>Definition source</b>	VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0
<b>Code set source</b>	WHODAS 2.0

## 18.2 WHODAS S1

---

**Definition** In the past 30 days, how much difficulty did you have in: Standing for long periods such as 30 minutes?

**Database Name** S1

**Collection** Mandatory

**Datatype** Numeric

**Form** Code

**Field size** 1

**Layout** N

**Code set**

Code	Description
-1	Unknown
0	None
1	Mild
2	Moderate
3	Severe
4	Extreme or cannot do

**Reporting guide**

**Purpose** Outcomes reporting

**Data users** Epidemiologists, DH Reporting

**Collection start** 11 January 2016

**Definition source** VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0

**Code set source** WHODAS 2.0

## 18.3 WHODAS S2

---

**Definition** In the past 30 days, how much difficulty did you have in: Taking care of you household responsibilities?

**Database Name** S2

**Collection** Mandatory

**Datatype** Numeric

**Form** Code

**Field size** 1

**Layout** N

**Code set**

Code	Description
-1	Unknown
0	None
1	Mild
2	Moderate
3	Severe
4	Extreme or cannot do

**Reporting guide**

**Purpose** Outcomes reporting

**Data users** Epidemiologists, DH Reporting

**Collection start** 11 January 2016

**Definition source** VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0

**Code set source** WHODAS 2.0

## 18.4 WHODAS S3

---

**Definition** In the past 30 days, how much difficulty did you have in: Learning a new task?

**Database Name** S3

**Collection** Mandatory

**Datatype** Numeric

**Form** Code

**Field size** 1

**Layout** N

**Code set**

Code	Description
-1	Unknown
0	None
1	Mild
2	Moderate
3	Severe
4	Extreme or cannot do

**Reporting guide**

**Purpose** Outcomes reporting

**Data users** Epidemiologists, DH Reporting

**Collection start** 11 January 2016

**Definition source** VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0

**Code set source** WHODAS 2.0

## 18.5 WHODAS S4

---

**Definition** In the past 30 days, how much difficulty did you have in: How much of a problem did you have joining in community activities in the same way as anyone else can?

**Database Name** S4

**Collection** Mandatory

**Datatype** Numeric

**Form** Code

**Field size** 1

**Layout** N

**Code set**

Code	Description
-1	Unknown
0	None
1	Mild
2	Moderate
3	Severe
4	Extreme or cannot do

**Reporting guide**

**Purpose** Outcomes reporting

**Data users** Epidemiologists, DH Reporting

**Collection start** 11 January 2016

**Definition source** VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0

**Code set source** WHODAS 2.0

## 18.6 WHODAS S5

---

<b>Definition</b>	In the past 30 days, how much difficulty did you have in: How much have you been emotionally affected by your health problems?	
<b>Database Name</b>	S5	
<b>Collection</b>	Mandatory	
<b>Datatype</b>	Numeric	
<b>Form</b>	Code	
<b>Field size</b>	1	
<b>Layout</b>	N	
<b>Code set</b>	<b>Code</b>	<b>Description</b>
	-1	Unknown
	0	None
	1	Mild
	2	Moderate
	3	Severe
	4	Extreme or cannot do
<b>Reporting guide</b>		
<b>Purpose</b>	Outcomes reporting	
<b>Data users</b>	Epidemiologists, DH Reporting	
<b>Collection start</b>	11 January 2016	
<b>Definition source</b>	VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0	
<b>Code set source</b>	WHODAS 2.0	

## 18.7 WHODAS S6

---

<b>Definition</b>	In the past 30 days, how much difficulty did you have in: Concentration on doing something for ten minutes?														
<b>Database Name</b>	S6														
<b>Collection</b>	Mandatory														
<b>Datatype</b>	Numeric														
<b>Form</b>	Code														
<b>Field size</b>	1														
<b>Layout</b>	N														
<b>Code set</b>	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>-1</td><td>Unknown</td></tr><tr><td>0</td><td>None</td></tr><tr><td>1</td><td>Mild</td></tr><tr><td>2</td><td>Moderate</td></tr><tr><td>3</td><td>Severe</td></tr><tr><td>4</td><td>Extreme or cannot do</td></tr></tbody></table>	Code	Description	-1	Unknown	0	None	1	Mild	2	Moderate	3	Severe	4	Extreme or cannot do
Code	Description														
-1	Unknown														
0	None														
1	Mild														
2	Moderate														
3	Severe														
4	Extreme or cannot do														
<b>Reporting guide</b>															
<b>Purpose</b>	Outcomes reporting														
<b>Data users</b>	Epidemiologists, DH Reporting														
<b>Collection start</b>	11 January 2016														
<b>Definition source</b>	VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0														
<b>Code set source</b>	WHODAS 2.0														

## 18.8 WHODAS S7

---

**Definition** In the past 30 days, how much difficulty did you have in: Walking a long distance such as a kilometre?

**Database Name** S7

**Collection** Mandatory

**Datatype** Numeric

**Form** Code

**Field size** 1

**Layout** N

**Code set**

Code	Description
-1	Unknown
0	None
1	Mild
2	Moderate
3	Severe
4	Extreme or cannot do

**Reporting guide**

**Purpose** Outcomes reporting

**Data users** Epidemiologists, DH Reporting

**Collection start** 11 January 2016

**Definition source** VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0

**Code set source** WHODAS 2.0

## 18.9 WHODAS S8

---

<b>Definition</b>	In the past 30 days, how much difficulty did you have in: Washing your whole body?														
<b>Database Name</b>	S8														
<b>Collection</b>	Mandatory														
<b>Datatype</b>	Numeric														
<b>Form</b>	Code														
<b>Field size</b>	1														
<b>Layout</b>	N														
<b>Code set</b>	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>-1</td><td>Unknown</td></tr><tr><td>0</td><td>None</td></tr><tr><td>1</td><td>Mild</td></tr><tr><td>2</td><td>Moderate</td></tr><tr><td>3</td><td>Severe</td></tr><tr><td>4</td><td>Extreme or cannot do</td></tr></tbody></table>	Code	Description	-1	Unknown	0	None	1	Mild	2	Moderate	3	Severe	4	Extreme or cannot do
Code	Description														
-1	Unknown														
0	None														
1	Mild														
2	Moderate														
3	Severe														
4	Extreme or cannot do														
<b>Reporting guide</b>															
<b>Purpose</b>	Outcomes reporting														
<b>Data users</b>	Epidemiologists, DH Reporting														
<b>Collection start</b>	11 January 2016														
<b>Definition source</b>	VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0														
<b>Code set source</b>	WHODAS 2.0														

## 18.10 WHODAS S9

---

**Definition** In the past 30 days, how much difficulty did you have in: Getting dressed?

**Database Name** S9

**Collection** Mandatory

**Datatype** Numeric

**Form** Code

**Field size** 1

**Layout** N

### Code set

Code	Description
-1	Unknown
0	None
1	Mild
2	Moderate
3	Severe
4	Extreme or cannot do

### Reporting guide

**Purpose** Outcomes reporting

**Data users** Epidemiologists, DH Reporting

**Collection start** 11 January 2016

**Definition source** VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0

**Code set source** WHODAS 2.0

## 18.11 WHODAS S10

---

**Definition** In the past 30 days, how much difficulty did you have in: Dealing with people you do not know?

**Database Name** S10

**Collection** Mandatory

**Datatype** Numeric

**Form** Code

**Field size** 1

**Layout** N

**Code set**

Code	Description
-1	Unknown
0	None
1	Mild
2	Moderate
3	Severe
4	Extreme or cannot do

**Reporting guide**

**Purpose** Outcomes reporting

**Data users** Epidemiologists, DH Reporting

**Collection start** 11 January 2016

**Definition source** VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0

**Code set source** WHODAS 2.0

## 18.12 WHODAS S11

---

**Definition** In the past 30 days, how much difficulty did you have in: Maintaining a friendship?

**Database Name** S11

**Collection** Mandatory

**Datatype** Numeric

**Form** Code

**Field size** 1

**Layout** N

**Code set**

<b>Code</b>	<b>Description</b>
-1	Unknown
0	None
1	Mild
2	Moderate
3	Severe
4	Extreme or cannot do

**Reporting guide**

**Purpose** Outcomes reporting

**Data users** Epidemiologists, DH Reporting

**Collection start** 11 January 2016

**Definition source** VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0

**Code set source** WHODAS 2.0

## 18.13 WHODAS S12

---

**Definition** In the past 30 days, how much difficulty did you have in: Your day to day work/school?

**Database Name** S12

**Collection** Mandatory

**Datatype** Numeric

**Form** Code

**Field size** 1

**Layout** N

**Code set**

Code	Description
-1	Unknown
0	None
1	Mild
2	Moderate
3	Severe
4	Extreme or cannot do

**Reporting guide**

**Purpose** Outcomes reporting

**Data users** Epidemiologists, DH Reporting

**Collection start** 11 January 2016

**Definition source** VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0

**Code set source** WHODAS 2.0

## 18.14 WHODAS H1 – Not active

---

**Definition** Overall, in the past 30 days, how many days were these difficulties present?

**Database Name** H1

**Collection** Mandatory

**Datatype** Numeric

**Form** Code

**Field size** 1

**Layout** N

### Code set

Code	Description
999	Unknown
0 - 30	Number of days

### Reporting guide

**Purpose** Outcomes reporting

**Data users** Epidemiologists, DH Reporting

**Collection start** 11 January 2016 – Ceased August 2016

**Definition source** VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0

**Code set source** WHODAS 2.0

## 18.15 WHODAS H2 – Not active

---

**Definition** In the past 30 days, for how many days were you totally unable to carry out your usual activities or work because of any health condition?

**Database Name** H2

**Collection** Mandatory

**Datatype** Numeric

**Form** Code

**Field size** 1

**Layout** N

### Code set

Code	Description
999	Unknown
0 - 30	Number of days

### Reporting guide

**Purpose** Outcomes reporting

**Data users** Epidemiologists, DH Reporting

**Collection start** 11 January 2016 – Ceased August 2016

**Definition source** VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0

**Code set source** WHODAS 2.0

## 18.16 WHODAS H3 – Not active

---

**Definition** Overall, in the past 30 days, Not counting the days that you were totally unable, for how many days did you cut back or reduce your usual activities or work because of any health condition?

**Database Name** H3

**Collection** Mandatory

**Datatype** Numeric

**Form** Code

**Field size** 1

**Layout** N

**Code set**

Code	Description
999	Unknown
0 - 30	Number of days

**Reporting guide**

**Purpose** Outcomes reporting

**Data users** Epidemiologists, DH Reporting

**Collection start** 11 January 2016 – Ceased August 2016

**Definition source** VSTORM and VOTOR: World Health Organisation Disability Assessment Schedule 2.0

**Code set source** WHODAS 2.0

---

---

## 19 Global Outcome Assessment/Glasgow Outcome Score

<b>Content</b>	Patient responses to the Globals and GOS surveys
<b>Collected by</b>	VSTORM Follow Up Staff
<b>Collected for</b>	All major trauma patients who have consented to a telephone interview.
<b>Data source</b>	VSTORM, Patient (telephone interview)
<b>Database Location</b>	vsGblGOS Table
<b>Reporting Guide</b>	There is one set of Patient Interview records per follow-up period. When follow-up data is provided: Six month follow-up records prefixed with M06_ 12 month follow-up records prefixed with M12_ 24 month follow-up records prefixed with M24_

### **\_gbl1**

<b>Code</b>	<b>Description</b>
-1	Unknown
1	No disability
2	Mild disability
3	Moderate disability
4	Marked disability
5	Severe disability

### **\_questionNA**

<b>Code</b>	<b>Description</b>
-2	Not Applicable
-1	Unknown
1	Yes
0	No

### **\_gos5b**

<b>Code</b>	<b>Description</b>
-2	Not Applicable
-1	Unknown
1	Reduced work capacity
2	Able to work only in a sheltered workshop, non-competitive job or currently unable to work

### **\_gos6b**

<b>Code</b>	<b>Description</b>
-2	Not Applicable
-1	Unknown
1	Half as often
2	Less than half as often
3	Rarely, if ever take part

### **\_gos7b**

<b>Code</b>	<b>Description</b>
-2	Not Applicable
-1	Unknown
1	Occasional – less than weekly
2	Frequent – once a week or more but tolerable
3	Constant – daily and intolerable
5	Severe disability

## 19.1 GBL1 (Global Outcome Assessment 1)

---

<b>Definition</b>	The level of disability patient reported, during the week prior to the injury event		
<b>Database Name</b>	GBL1	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_gbl1 – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	October 2006		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 19.2 GBL2 (Global Outcome Assessment 2)

---

<b>Definition</b>	The level of disability the patient reported, the week prior to the telephone interview		
<b>Database Name</b>	GBL2	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_gbl1 – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, Epidemiologists		
<b>Collection start</b>	October 2006		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	VSTORM		

## 19.3 GOS1

---

<b>Definition</b>	Is the person able to obey simple commands?		
<b>Database Name</b>	GOS1	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.4 GOS2a

---

<b>Definition</b>	Is the assistance of another person at home essential every day for some activities of daily living?		
<b>Database Name</b>	GBL2a	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.5 GOS2b

---

<b>Definition</b>	Do they need frequent help or someone to be around at home most of the time?		
<b>Database Name</b>	GBL2b	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	Only required when the answer to GOS2a was ‘1 - Yes’		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 Jul 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.6 GOS2c

---

<b>Definition</b>	Was assistance at home essential before the injury?		
<b>Database Name</b>	GBL2c	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	Only required when the answer to GOS2a was ‘1 – Yes’		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.7 GOS3a

---

<b>Definition</b>	Are they able to shop without assistance?		
<b>Database Name</b>	GBL3a	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.8 GOS3b

---

<b>Definition</b>	Were they able to shop without assistance before the injury?		
<b>Database Name</b>	GBL3b	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	Only required when the answer to GOS3a was '0 – No'		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.9 GOS4a

---

<b>Definition</b>	Are they able to travel locally without assistance?		
<b>Database Name</b>	GBL4a	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.10 GOS4b

---

<b>Definition</b>	Were they able to travel without assistance before the injury?		
<b>Database Name</b>	GBL4b	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	Only required when the answer to GOS4a was '0 – No'		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.11 GOS5a

---

<b>Definition</b>	Are they currently able to work to their previous capacity?		
<b>Database Name</b>	GBL5a	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	Not required if the answer to GOS4a was '0 – No'		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.12 GOS5b

---

<b>Definition</b>	How restricted are they?		
<b>Database Name</b>	GBL5b	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_gos5b – reference table See start of section for code reference.		
<b>Reporting guide</b>	Only required when the answer to GOS5a was '0 – No'		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.13 GOS5c

---

<b>Definition</b>	Were they either working or seeking employment before the injury?		
<b>Database Name</b>	GBL5c	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	Only required when the answer to GOS5a was '0 – No'		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.14 GOS6a

---

<b>Definition</b>	Are they able to resume regular social and leisure activities outside the home?		
<b>Database Name</b>	GBL6a	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.15 GOS6b

---

<b>Definition</b>	What is the extent of restriction on their social and leisure activities?		
<b>Database Name</b>	GBL6b	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_gos6b – reference table See start of section for code reference.		
<b>Reporting guide</b>	Only required when the answer to GOS6a was '0 – No'		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.16 GOS6c

---

<b>Definition</b>	Did they engage in regular social and leisure activities before the injury?		
<b>Database Name</b>	GBL6c	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.17 GOS7a

---

<b>Definition</b>	Have there been psychological problems which have resulted in ongoing family disruption or disruption to friendships?		
<b>Database Name</b>	GBL7a	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.18 GOS7b

---

<b>Definition</b>	What has been the extent of disruption or strain?		
<b>Database Name</b>	GBL7b	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_gos7b – reference table See start of section for code reference.		
<b>Reporting guide</b>	Only required when the answer to GOS7a was '1 – Yes'		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.19 GOS7c

---

<b>Definition</b>	Were there problems present before the injury?		
<b>Database Name</b>	GBL7c	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.20 GOS8a

---

<b>Definition</b>	Are there any other current problems relating to the injury which affect daily life?		
<b>Database Name</b>	GBL8a	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.21 GOS8b

---

<b>Definition</b>	Were there similar problems present before the injury?		
<b>Database Name</b>	GBL8b	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	Only required when answer to GOS8a is '1 – Yes'.		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.22 Epilepsy Medication

---

<b>Definition</b>	Is the patient on any epilepsy medication?		
<b>Database Name</b>	GOSepia	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	Question only applies if patient is head injured		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005. Available for all VSTORM major patients with date of injury from 1 October 2017 (6 month follow-up), 1 April 2017 (12 month follow-up) and 1 April 2016 (24 month follow-up). Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019.		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.23 Epileptic Fits

---

<b>Definition</b>	Since the injury, has the patient had any epileptic fits?		
<b>Database Name</b>	GOSepib	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_questionNA – reference table See start of section for code reference.		
<b>Reporting guide</b>	Question only applies if patient is head injured		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005. Available for all VSTORM major patients with date of injury from 1 October 2017 (6 month follow-up), 1 April 2017 (12 month follow-up) and 1 April 2016 (24 month follow-up). Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019.		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.24 GOS Overall Rating

---

<b>Definition</b>	The Glasgow Outcome Scale, calculated from survey responses		
<b>Database Name</b>	GOSrate	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_gosrate (reference table)		
	<b>Code</b>	<b>Description</b>	
	-1	Unable to be determined	
	1	Dead	
	2	Vegetative state	
	3	Severe disability	
	4	Moderate disability	
	5	Good recovery	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	July 2005, Cases with Head region AIS $\geq$ 3 only with date of injury from 1 July 2019		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998		

## 19.25 GOS-E Overall Rating

---

**Definition** The extended Glasgow Outcome Scale, calculated from survey responses

**Database Name** GOSerate **Collection** Mandatory

**Datatype** Numeric **Form** Code

**Field size** 1 **Layout** N

**Code set** \_goserate (reference table)

Code	Description
-1	Unable to be determined
1	Dead
2	Vegetative state
3	Lower severe disability
4	Upper severe disability
5	Lower moderate disability
6	Upper moderate disability
7	Lower good recovery
8	Upper good recovery

**Reporting guide** -

**Purpose** Outcomes reporting

**Data users** VSTORM Staff, Epidemiologists, DH Reporting

**Collection start** July 2005, Cases with Head region AIS  $\geq$  3 only with date of injury from 1 July 2019

**Definition source** VSTORM and VOTOR

**Code set source** Wilson JTL et al: Structured interviews for the Glasgow Outcome Scale and the Extended Glasgow Outcome Scale: guidelines for their use. Journal of Neurotrauma 15:573-585, 1998

## 20 EuroQOL 5D (EQ-5D™)

---

---

<b>Content</b>	Patient responses to the EuroQOL Group EQ-5D™ 1990 version.
<b>Collected by</b>	VSTORM and VOTOR Follow Up Staff
<b>Collected for</b>	All VSTORM major trauma patients and VOTOR patients who have consented to follow up.
<b>Data source</b>	VSTORM/VOTOR, Patient (telephone interview or online)
<b>Database Location</b>	vsEQ5D Table
<b>Reporting Guide</b>	There is one set of Patient Interview records per follow-up period. When follow-up data is provided: Six month follow-up records prefixed with M06_ 12 month follow-up records prefixed with M12_ 24 month follow-up records prefixed with M24_

## 20.1 Proxy

---

<b>Definition</b>	Whether the EQ-5D was completed by proxy or patient.								
<b>Database Name</b>	Proxy	<b>Collection</b>	Mandatory						
<b>Datatype</b>	Numeric	<b>Form</b>	Code						
<b>Field size</b>	1	<b>Layout</b>	N						
<b>Code set</b>	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>0</td><td>Patient</td></tr><tr><td>1</td><td>Proxy</td></tr></tbody></table>	Code	Description	0	Patient	1	Proxy		
Code	Description								
0	Patient								
1	Proxy								
<b>Purpose</b>	Outcomes reporting								
<b>Data users</b>	Epidemiologists								
<b>Collection start</b>	December 2009								
<b>Definition source</b>	VSTORM and VOTOR								
<b>Code set source</b>	EuroQOL Group								

## 20.2 Mobility

---

<b>Definition</b>	Extent of problems with mobility		
<b>Database Name</b>	Mobility	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_EqMobility (3L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No problems in walking about	
	2	Some problems in walking about	
	3	Confined to bed	
	9	Unknown	
<b>Code set</b>	_EqMobility_2018 (5L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No problems walking around	
	2	Slight problems walking around	
	3	Moderate problems walking around	
	4	Severe problems walking around	
	5	Unable to walk around	
	9	Unknown	
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	December 2009, EQ-5D 3L ceased for patients with date of injury 1 July 2018 and EQ-5D 5L commenced		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	EuroQOL Group		

## 20.3 Personal Care

---

<b>Definition</b>	Extent of problems with self-care		
<b>Database Name</b>	Selfcare	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_EqSelfcare (3L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No problems with self-care	
	2	Some problems washing or dressing myself	
	3	Unable to wash or dress myself	
	9	Unknown	
<b>Code set</b>	_EqSelfcare_2018 (5L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No problems washing or dressing	
	2	Slight problems washing or dressing	
	3	Moderate problems washing or dressing	
	4	Severe problems washing or dressing	
	5	Unable to wash or dress	
	9	Unknown	
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	December 2009, EQ-5D 3L ceased for patients with date of injury 1 July 2018 and EQ-5D 5L commenced		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	EuroQOL Group		

## 20.4 Usual Activities

---

<b>Definition</b>	Extent of problems with usual activities		
<b>Database Name</b>	Activity	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_EqActivity (3L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No problems with performing my usual activities	
	2	Some problems with performing my usual activities	
	3	Unable to perform my usual activities	
	9	Unknown	
<b>Code set</b>	_EqActivity_2018 (5L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No problems doing their usual activities	
	2	Slight problems doing their usual activities	
	3	Moderate problems doing their usual activities	
	4	Severe problems doing their usual activities	
	5	Unable to do their usual activities	
	9	Unknown	
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	December 2009, EQ-5D 3L ceased for patients with date of injury 1 July 2018 and EQ-5D 5L commenced		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	EuroQOL Group		

## 20.5 Pain/Discomfort

---

<b>Definition</b>	Extent of pain or discomfort		
<b>Database Name</b>	Pain	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_EqPain (3L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No pain or discomfort	
	2	Moderate pain or discomfort	
	3	Extreme pain or discomfort	
	9	Unknown	
<b>Code set</b>	_EqPain_2018 (5L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No pain or discomfort	
	2	Slight pain or discomfort	
	3	Moderate pain or discomfort	
	4	Severe pain or discomfort	
	5	Extreme pain or discomfort	
	9	Unknown	
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	December 2009, EQ-5D 3L ceased for patients with date of injury 1 July 2018 and EQ-5D 5L commenced		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	EuroQOL Group		

## 20.6 Anxiety/Depression

---

<b>Definition</b>	Extent of anxiety or depression		
<b>Database Name</b>	Anxiety	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_EqAnxiety (3L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Not anxious or depressed	
	2	Moderately anxious or depressed	
	3	Extremely anxious or depressed	
	9	Unknown	
<b>Code set</b>	_EqAnxiety_2018 (5L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Not anxious or depressed	
	2	Slightly anxious or depressed	
	3	Moderately anxious or depressed	
	4	Severely anxious or depressed	
	5	Extremely anxious or depressed	
	9	Unknown	
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	December 2009, EQ-5D 3L ceased for patients with date of injury 1 July 2018 and EQ-5D 5L commenced		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	EuroQOL Group		

## 21 Patient Health State - Current

---

---

<b>Definition</b>	How good or bad the patient's health state is <u>today</u> on a scale of 0-100		
<b>Database Name</b>	EQ_VAS	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Reporting Guide</b>	Scale from 0, the 'worst imaginable health state' to 100 the 'best imaginable health state' 999 = Unknown or patient not able to provide answer		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	December 2009		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	EuroQOL Group		

## 22 Patient Health State – Prior to injury

---

---

<b>Definition</b>	How good or bad the patient's health was <u>prior</u> to their injury on a scale of 0-100		
<b>Database Name</b>	EQ_VAS_Prior	<b>Collection</b>	Mandatory
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Reporting Guide</b>	Scale from 0, the 'worst imaginable health state' to 100 the 'best imaginable health state' 999 = Unknown or patient not able to provide answer		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	December 2009		
<b>Definition source</b>	VSTORM and VOTOR		
<b>Code set source</b>	EuroQOL Group		

## 23 Paediatric Interview

---

---

<b>Content</b>	Demographic Information about the patient, and recovery, at the 6, 12 and 24 month time points post injury
<b>Collected by</b>	VSTORM Follow Up Staff
<b>Collected for</b>	All major paediatric (aged less than 16 years) trauma patients who have consented to a telephone interview.
<b>Data source</b>	VSTORM, Patient and/or parent (telephone interview)
<b>Database Location</b>	pdQL table
<b>Reporting Guide</b>	There are two sets of Patient Interview records per follow-up period. When follow-up data is provided: Six month follow-up records prefixed with M06_ 12 month follow-up records prefixed with M12_ 24 month follow-up records prefixed with M24_

### 23.1 PedsQL Interviewee – Not active

---

---

<b>Definition</b>	Person being interviewed for paediatric patient's follow up (Paediatric Quality of Life Inventory, PedsQL)		
<b>Database Name</b>	Interviewee	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code Set</b>	_interviewee (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Parent Report	
	2	Child/teen report	
<b>Reporting guide</b>	Follow up staff select the person being interviewed for the paediatric patient's follow up		
<b>Purpose</b>	Population description		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting		
<b>Collection start</b>	2010, ceased for cases with interview date from 1 July 2018		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 23.2 PedsQL Version 4.0 – Not active

<b>Definition</b>	Parent report for Children Ages 8-12 and Ages 13-18																		
<b>Database Name</b>	See below	<b>Collection</b>	Mandatory (where applicable)																
<b>Datatype</b>	Numeric	<b>Form</b>	Code																
<b>Field size</b>	1	<b>Layout</b>	N																
<b>Code Set</b>	<table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Never a problem</td> </tr> <tr> <td>1</td> <td>Almost never a problem</td> </tr> <tr> <td>2</td> <td>Sometimes a problem</td> </tr> <tr> <td>3</td> <td>Often a problem</td> </tr> <tr> <td>4</td> <td>Almost always a problem</td> </tr> <tr> <td>-1</td> <td>Unknown</td> </tr> <tr> <td>-2</td> <td>Not applicable</td> </tr> </tbody> </table>			Code	Description	0	Never a problem	1	Almost never a problem	2	Sometimes a problem	3	Often a problem	4	Almost always a problem	-1	Unknown	-2	Not applicable
Code	Description																		
0	Never a problem																		
1	Almost never a problem																		
2	Sometimes a problem																		
3	Often a problem																		
4	Almost always a problem																		
-1	Unknown																		
-2	Not applicable																		
<b>Reporting guide</b>	Responses above for the following fields:																		
	<b>Database name</b>	<b>Database field</b>																	
		<b>PHYSICAL FUNCTIONING (problems with...)</b>																	
		Walk	Walking more than one block																
		Run	Running																
		Sport	Participating in sports activity or exercise																
		Lift	Lifting something heavy																
		Shower	Taking a bath or shower by him/herself																
		Chores	Doing chores like picking up his or her toys																
		Hurt	Having hurts or aches																
		Energy	Low energy level																
		<b>EMOTIONAL FUNCTIONING (problems with...)</b>																	
		Scared	Feeling afraid or scared																
		Sad	Feeling sad or blue																
		Angry	Feeling angry																
		Sleep	Trouble sleeping																
		Worry	Worrying about what will happen to him or her																
		<b>SOCIAL FUNCTIONING (problems with...)</b>																	
		GetAlong	Getting along with other children																
		Friend	Other kids not wanting to be his or her friend																
		Tease	Getting teased by other children																
		Others	Not able to do things other children his or her age can do																
		Play	Keeping up when playing with other children																
		<b>SCHOOL FUNCTIONING (problems with...)</b>																	
		Attention	Paying attention in class																
		Forget	Forgetting things																
		SchoolWork	Keeping up with school work																
		Unwell	Missing school because of not feeling well																
		GoingHospital	Missing school to go to the doctor or hospital																
<b>Purpose</b>	Population description																		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting																		
<b>Collection start</b>	2010, ceased for cases with interview date from 1 July 2018																		
<b>Definition source</b>	VSTORM only																		
<b>Code set source</b>	VSTORM																		

## 23.3 PedsQL Version 4.0 – Not active

<b>Definition</b>	Child/teen report for Children Ages 8-12 and Ages 13-18																		
<b>Database Name</b>	See below	<b>Collection</b>	Mandatory (where applicable)																
<b>Datatype</b>	Numeric	<b>Form</b>	Code																
<b>Field size</b>	1	<b>Layout</b>	N																
<b>Code Set</b>	<table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Never a problem</td> </tr> <tr> <td>1</td> <td>Almost never a problem</td> </tr> <tr> <td>2</td> <td>Sometimes a problem</td> </tr> <tr> <td>3</td> <td>Often a problem</td> </tr> <tr> <td>4</td> <td>Almost always a problem</td> </tr> <tr> <td>-1</td> <td>Unknown</td> </tr> <tr> <td>-2</td> <td>Not applicable</td> </tr> </tbody> </table>			Code	Description	0	Never a problem	1	Almost never a problem	2	Sometimes a problem	3	Often a problem	4	Almost always a problem	-1	Unknown	-2	Not applicable
Code	Description																		
0	Never a problem																		
1	Almost never a problem																		
2	Sometimes a problem																		
3	Often a problem																		
4	Almost always a problem																		
-1	Unknown																		
-2	Not applicable																		
<b>Reporting guide</b>	Responses above for the following fields:																		
	<b>Database name</b>	<b>Database field</b>																	
		<b>PHYSICAL FUNCTIONING (problems with...)</b>																	
		Walk Walking more than one block																	
		Run Running																	
		Sport Participating in sports activity or exercise																	
		Lift Lifting something heavy																	
		Shower Taking a bath or shower by him/herself																	
		Chores Doing chores like picking up his or her toys																	
		Hurt Having hurts or aches																	
		Energy Low energy level																	
		<b>EMOTIONAL FUNCTIONING (problems with...)</b>																	
		Scared Feeling afraid or scared																	
		Sad Feeling sad or blue																	
		Angry Feeling angry																	
		Sleep Trouble sleeping																	
		Worry Worrying about what will happen to him or her																	
		<b>SOCIAL FUNCTIONING (problems with...)</b>																	
		GetAlong Getting along with other children																	
		Friend Other kids not wanting to be his or her friend																	
		Tease Getting teased by other children																	
		Others Not able to do things other children his or her age can do																	
		Play Keeping up when playing with other children																	
		<b>SCHOOL FUNCTIONING (problems with...)</b>																	
		Attention Paying attention in class																	
		Forget Forgetting things																	
		SchoolWork Keeping up with school work																	
		Unwell Missing school because of not feeling well																	
		GoingHospital Missing school to go to the doctor or hospital																	
<b>Purpose</b>	Population description																		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting																		
<b>Collection start</b>	2010, ceased for cases with interview date from 1 July 2018																		
<b>Definition source</b>	VSTORM only																		
<b>Code set source</b>	VSTORM																		

## 23.4 PedsQL Version 4.0 – Not active

<b>Definition</b>	Parent report for Children 0-4																		
<b>Database Name</b>	See below	<b>Collection</b>	Mandatory (where applicable)																
<b>Datatype</b>	Numeric	<b>Form</b>	Code																
<b>Field size</b>	1	<b>Layout</b>	N																
<b>Code Set</b>	<table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Never a problem</td> </tr> <tr> <td>1</td> <td>Almost never a problem</td> </tr> <tr> <td>2</td> <td>Sometimes a problem</td> </tr> <tr> <td>3</td> <td>Often a problem</td> </tr> <tr> <td>4</td> <td>Almost always a problem</td> </tr> <tr> <td>-1</td> <td>Unknown</td> </tr> <tr> <td>-2</td> <td>Not applicable</td> </tr> </tbody> </table>			Code	Description	0	Never a problem	1	Almost never a problem	2	Sometimes a problem	3	Often a problem	4	Almost always a problem	-1	Unknown	-2	Not applicable
Code	Description																		
0	Never a problem																		
1	Almost never a problem																		
2	Sometimes a problem																		
3	Often a problem																		
4	Almost always a problem																		
-1	Unknown																		
-2	Not applicable																		
<b>Reporting guide</b>	Responses above for the following fields:																		
	<b>Database name</b>	<b>Database field</b>																	
		<b>PHYSICAL FUNCTIONING (problems with...)</b>																	
		Walk	Walking more than one block																
		Run	Running																
		Sport	Participating in sports activity or exercise																
		Lift	Lifting something heavy																
		Shower	Taking a bath or shower by him/herself																
		Chores	Doing chores like picking up his or her toys																
		Hurt	Having hurts or aches																
		Energy	Low energy level																
		<b>EMOTIONAL FUNCTIONING (problems with...)</b>																	
		Scared	Feeling afraid or scared																
		Sad	Feeling sad or blue																
		Angry	Feeling angry																
		Sleep	Trouble sleeping																
		Worry	Worrying about what will happen to him or her																
		<b>SOCIAL FUNCTIONING (problems with...)</b>																	
		GetAlong	Getting along with other children																
		Friend	Other kids not wanting to be his or her friend																
		Tease	Getting teased by other children																
		Others	Not able to do things other children his or her age can do																
		Play	Keeping up when playing with other children																
		<b>SCHOOL FUNCTIONING (problems with...)</b>																	
		SchoolWork	Doing the same school activities as peers																
		Unwell	Missing school/daycare because of not feeling well																
		GoingHospital	Missing school/daycare to go to the doctor or hospital																
<b>Purpose</b>	Population description																		
<b>Data users</b>	VSTORM Staff, Epidemiologists, DH Reporting																		
<b>Collection start</b>	2010, ceased for cases with interview date from 1 July 2018																		
<b>Definition source</b>	VSTORM only																		
<b>Code set source</b>	VSTORM																		

## 23.5 KOSCHI

---

**Definition** The King's Outcome Scale for Childhood Head Injury (KOSCHI) is a specific paediatric adaptation of the original adult Glasgow Outcome Scale (GOS). The KOSCHI expands the five category GOS to provide increased sensitivity at the milder end of the disability range.

**Database Name** Koschi **Collection** Mandatory (where applicable)

**Datatype** Numeric **Form** Code

**Field size** 2 **Layout** NN

Code set	Code	Code1	Description
	8	1	Death
	7	2	Vegetative
	6	3a	Lower severe disability
	5	3b	Upper severe disability
	4	4a	Lower moderate disability
	3	4b	Upper moderate disability
	2	5a	Good recovery
	1	5b	Intact recovery
	-1		Unknown

**Code description** Interviewee-Parent interview/report only

**Reporting guide** -

**Purpose** Population description

**Data users** VSTORM Staff, Epidemiologists, DH Reporting

**Collection start** 2010

**Definition source** VSTORM only

**Code set source** VSTORM

## 23.6 EuroQOL 5D (EQ-5D-Y)

---

**Definition** The child-friendly EQ-5D version (EQ-5D-Y) was introduced by the EuroQol Group in 2009 as a more comprehensible instrument suitable for children and adolescents. Data is collected for paediatrics aged from 0–15 years.

**Database Name** pdEQ5D (EQ-5D-5L-Y) **Collection** Mandatory (where applicable)

## 23.7 EQ-5D-Y Interviewee

---

**Definition** Person being interviewed for paediatric patient's follow up

**Database Name** Interviewee **Collection** Mandatory (where applicable)

**Datatype** Numeric **Form** Code

**Field size** 1 **Layout** N

**Code Set** \_interviewee (reference table)

Code	Description
------	-------------

1	Parent Report (For patients 0–15 years)
---	---

2	Child/teen report (For patients 8–15 years)
---	---

**Reporting guide** Follow up staff select the person being interviewed for the paediatric patient's follow up

**Purpose** Population description

**Data users** VSTORM Staff, Epidemiologists, DH Reporting

**Collection start** Cases with interview date from 1 July 2018

**Definition source** VSTORM only

**Code set source** VSTORM

## 23.8 EQ-5D-Y Mobility

---

<b>Definition</b>	Extent of problems with mobility		
<b>Database Name</b>	Mobility	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_pdEqMobility (5L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No problems walking around	
	2	Slight problems walking around	
	3	Moderate problems walking around	
	4	Severe problems walking around	
	5	Unable to walk around	
	9	Unknown	
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	Cases with interview date from 1 July 2018		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 23.9 EQ-5D-Y Personal Care

---

<b>Definition</b>	Extent of problems with self-care		
<b>Database Name</b>	Selfcare	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_pdEqSelfCare (5L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No problems washing or dressing	
	2	Slight problems washing or dressing	
	3	Moderate problems washing or dressing	
	4	Severe problems washing or dressing	
	5	Unable to wash or dress	
	9	Unknown	
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	Cases with interview date from 1 July 2018		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 23.10 EQ-5D-Y Usual Activities

---

<b>Definition</b>	Extent of problems with usual activities		
<b>Database Name</b>	Activity	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_pdEqActivity (5L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No problems doing their usual activities	
	2	Slight problems doing their usual activities	
	3	Moderate problems doing their usual activities	
	4	Severe problems doing their usual activities	
	5	Unable to do their usual activities	
	9	Unknown	
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	Cases with interview date from 1 July 2018		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 23.11 EQ-5D-Y Pain/discomfort

---

<b>Definition</b>	Extent of pain or discomfort		
<b>Database Name</b>	Pain	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_pdEqPain (5L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No pain or discomfort	
	2	Slight pain or discomfort	
	3	Moderate pain or discomfort	
	4	Severe pain or discomfort	
	5	Extreme pain or discomfort	
	9	Unknown	
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	Cases with interview date from 1 July 2018		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 23.12 EQ-5D-Y Anxiety/Depression

---

<b>Definition</b>	Extent of anxiety or depression		
<b>Database Name</b>	Anxiety	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_pdEqAnxiety (5L reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Not worried, sad or unhappy	
	2	Slightly worried, sad or unhappy	
	3	Moderately worried, sad or unhappy	
	4	Severely worried, sad or unhappy	
	5	Extremely worried, sad or unhappy	
	9	Unknown	
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	Epidemiologists		
<b>Collection start</b>	Cases with interview date from 1 July 2018		
<b>Definition source</b>	VSTORM only		
<b>Code set source</b>	VSTORM		

## 24 RESTORE follow up – Not active

---

---

<b>Content</b>	Follow up of Recovery after Serious Trauma- Outcomes, Resource use and patient Experiences (RESTORE) patients at 36, 48 and 60 months
<b>Collected by</b>	VSTORM RESTORE follow Up Staff
<b>Collected for</b>	All VSTORM major trauma recruited in RESTORE project
<b>Data source</b>	Patient (telephone interview)

## 25 RESTORE Pain – Not active

---

---

<b>Content</b>	Information about the level of pain felt, and where, at the time of the interview
<b>Collected by</b>	VSTORM RESTORE Follow Up Staff
<b>Collected for</b>	All RESTORE major trauma patients who have consented to a telephone interview.
<b>Data source</b>	VSTORM, Patient (telephone interview)
<b>Database Location</b>	vsPain Table
<b>Reporting Guide</b>	There is one set of Patient Interview records per follow-up period. When follow-up data is provided: Three year follow-up records prefixed with M36_ Four year follow-up records prefixed with M48_ Five year follow-up records prefixed with M60_

## 25.1 Pain Level – Not active

---

<b>Definition</b>	The level of physical pain felt by the patient as a result of the injury event, at the time of the interview		
<b>Database Name</b>	Pain	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Code set</b>	Scale of 0-10, where 0 is no pain and 10 is the worst possible pain, -1 is used for unknown		
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM RESTORE Staff, Epidemiologists		
<b>Collection start</b>	2014, Date of injury 1 July 2011- 30 June 2012 only		
<b>Definition source</b>	RESTORE project only		
<b>Code set source</b>	VSTORM		

## 25.2 Pain Region – Not active

---

<b>Definition</b>	The region of the body in which the patient feels pain (if any)		
<b>Database Name</b>	Region	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	2	<b>Layout</b>	NN
<b>Code set</b>	_painRegion (reference table)		
	<b>Code</b>	<b>Description</b>	
	-2	NA	
	-1	Unknown	
	1	Head	
	2	Face	
	3	Neck	
	4	Thorax	
	5	Abdomen	
	6	Lower back	
	7	Pelvis	
	8	Shoulder	
	9	Upper arm	
	10	Elbow	
	11	Forearm	
	12	Wrist	
	13	Hand	
	14	Hip	
	15	Thigh	
	16	Knee	
	17	Lower leg	
	18	Ankle	
	19	Foot	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM RESTORE Staff, Epidemiologists		
<b>Collection start</b>	2014, Date of injury 1 July 2011- 30 June 2012 only		
<b>Definition source</b>	RESTORE project only		
<b>Code set source</b>	VSTORM		

## 25.3 Pain Side – Not active

---

<b>Definition</b>	The side of the body in which the patient feels pain (if any)		
<b>Database Name</b>	Side	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_painSide (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Right	
	2	Left	
	3	Bilateral	
	4	Central	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM RESTORE Staff, Epidemiologists		
<b>Collection start</b>	2014, Date of injury 1 July 2011- 30 June 2012 only		
<b>Definition source</b>	RESTORE project only		
<b>Code set source</b>	VSTORM		

## 25.4 Pain limit – Not active

---

<b>Definition</b>	Which site limits you the most in your activities?		
<b>Database Name</b>	vsPainMost	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_painRegion (reference table)		
	<b>Code</b>	<b>Description</b>	
	-2	NA	
	-1	Unknown	
	1	Head	
	2	Face	
	3	Neck	
	4	Thorax	
	5	Abdomen	
	6	Lower back	
	7	Pelvis	
	8	Shoulder	
	9	Upper arm	
	10	Elbow	
	11	Forearm	
	12	Wrist	
	13	Hand	
	14	Hip	
	15	Thigh	
	16	Knee	
	17	Lower leg	
	18	Ankle	
	19	Foot	
	_painSide (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Right	
	2	Left	
	3	Bilateral	
	4	Central	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM RESTORE Staff, Epidemiologists		
<b>Collection start</b>	2014, Date of injury 1 July 2011- 30 June 2012 only		
<b>Definition source</b>	RESTORE project only		
<b>Code set source</b>	VSTORM		

## 26 RESTORE Impact of Event Scale – Revised – Not active

---

<b>Content</b>	Information about the impact of the event
<b>Collected by</b>	VSTORM RESTORE Follow Up Staff
<b>Collected for</b>	All RESTORE major trauma patients who have consented to a telephone interview.
<b>Data source</b>	VSTORM, Patient (telephone interview)
<b>Database Location</b>	vsIESR Table
<b>Reporting Guide</b>	There is one set of Patient Interview records per follow-up period.

### 26.1 Reason for not administering IESR – Not active

---

<b>Definition</b>	IESR Instrument not administered reason		
<b>Database Name</b>	NotAdministered	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_notAdministeredReasonIESR (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No memory of event	
	2	NESB	
	3	Distress, fatigue	
	4	Dissatisfied	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM RESTORE Staff, Epidemiologists		
<b>Collection start</b>	2014, Date of injury 1 July 2011- 30 June 2012 only		
<b>Definition source</b>	RESTORE project only		
<b>Code set source</b>	VSTORM		

## 26.2 Impact of event – Revised – Not active

<b>Definition</b>	Responses to Impact of event questions		
<b>Database Name</b>	See below	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_IESR (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Not at all	
	2	A little bit	
	3	Moderately	
	4	Quite a bit	
	5	Extremely	
	-1	Unknown	
<b>Reporting guide</b>	Q01	Reminder brought back feelings	
	Q02	Trouble staying asleep	
	Q03	Other things make me think about it	
	Q04	Feel irritable and angry	
	Q05	Avoided letting myself get upset about it	
	Q06	Thought about it when I didn't mean to	
	Q07	Felt as if it didn't happen or wasn't real	
	Q08	Stayed away from reminders	
	Q09	Pictures popped into my mind	
	Q10	Jumpy and easily startled	
	Q11	Tried not to think about it	
	Q12	Had feelings about it but didn't deal with them	
	Q13	Feelings about it were kind of numb	
	Q14	Found myself acting or feeling like I was back at that time	
	Q15	Had trouble falling asleep	
	Q16	Had waves of strong feelings about it	
	Q17	Tried to remove it from my memory	
	Q18	Had trouble concentrating	
	Q19	Reminders caused physical reactions	
	Q20	Had dreams about it	
	Q21	Felt watchful and on-guard	
	Q22	Tried not to talk about it	
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM RESTORE Staff, Epidemiologists		
<b>Collection start</b>	2014, Date of injury 1 July 2011- 30 June 2012 only		
<b>Definition source</b>	RESTORE project only		
<b>Code set source</b>	VSTORM		

## 26.3 Reason for not administering child IESR – Not active

---

<b>Definition</b>	Child IESR Instrument not administered reason		
<b>Database Name</b>	NotAdministered	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_pdIESR (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	No memory of event	
	2	NESB	
	3	Distress, fatigue	
	4	Dissatisfied	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM RESTORE Staff, Epidemiologists		
<b>Collection start</b>	2014, Date of injury 1 July 2011- 30 June 2012 only		
<b>Definition source</b>	RESTORE project only		
<b>Code set source</b>	VSTORM		

## 26.4 Child Impact of Event Scale - Revised (IESR) – Not active

---

<b>Definition</b>	Responses to child (< 16 years of age) IESR questions (< 13 years of age parents are interviewed)		
<b>Database Name</b>	See below	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_pdIESR (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Not at all	
	2	Rarely	
	3	Sometimes	
	4	Often	
	-1	Unknown	
<b>Reporting guide</b>	Q01	Think about it when you didn't mean to	
	Q02	Tried to remove it from my memory	
	Q03	Had waves of strong feelings about it	
	Q04	Stayed away from reminders	
	Q05	Tried not to talk about it	
	Q06	Pictures popped into my mind	
	Q07	Other things make you think about it	
	Q08	Try not to think about it	
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM RESTORE Staff, Epidemiologists		
<b>Collection start</b>	2014, Date of injury 1 July 2011- 30 June 2012 only		
<b>Definition source</b>	RESTORE project only		
<b>Code set source</b>	VSTORM		

## 27 RESTORE CHIEF Short Form – Not active

---

<b>Content</b>	Information using the Craig Hospital Inventory of Environmental Factors (CHIEF) short form
<b>Collected by</b>	VSTORM RESTORE Follow Up Staff
<b>Collected for</b>	All RESTORE major trauma patients who have consented to a telephone interview.
<b>Data source</b>	VSTORM, Patient (telephone interview)
<b>Database Location</b>	vsCHEIFSF
<b>Reporting Guide</b>	There is one set of Patient Interview records per follow-up period.

### 27.1 Reason for not administering CHIEF short form – Not active

---

<b>Definition</b>	CHIEF Instrument not administered reason		
<b>Database Name</b>	NotAdministered	<b>Collection</b>	Mandatory (where applicable)
<b>Datatype</b>	Numeric	<b>Form</b>	Code
<b>Field size</b>	1	<b>Layout</b>	N
<b>Code set</b>	_notAdministeredReasonCHIEF (reference table)		
	<b>Code</b>	<b>Description</b>	
	1	Nursing Home	
	2	NESB	
	3	Other	
<b>Reporting guide</b>	-		
<b>Purpose</b>	Outcomes reporting		
<b>Data users</b>	VSTORM RESTORE Staff, Epidemiologists		
<b>Collection start</b>	2014, Date of injury 1 July 2011- 30 June 2012 only		
<b>Definition source</b>	RESTORE project only		
<b>Code set source</b>	VSTORM		

## 27.2 CHIEF short form – Not active

<b>Definition</b>	Responses to CHIEF short form questions																								
<b>Database Name</b>	See below	<b>Collection</b>	Mandatory (where applicable)																						
<b>Datatype</b>	Numeric	<b>Form</b>	Code																						
<b>Field size</b>	1	<b>Layout</b>	N																						
<b>Code set</b>	_chiefsf (reference table) <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Not Applicable</td> </tr> <tr> <td>2</td> <td>Never</td> </tr> <tr> <td>3</td> <td>Less than monthly</td> </tr> <tr> <td>4</td> <td>Monthly</td> </tr> <tr> <td>5</td> <td>Weekly</td> </tr> <tr> <td>6</td> <td>Daily</td> </tr> <tr> <td>-1</td> <td>Unknown</td> </tr> </tbody> </table> _chiefsfb (reference table) <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Little Problem</td> </tr> <tr> <td>2</td> <td>Big Problem</td> </tr> </tbody> </table>			Code	Description	1	Not Applicable	2	Never	3	Less than monthly	4	Monthly	5	Weekly	6	Daily	-1	Unknown	Code	Description	1	Little Problem	2	Big Problem
Code	Description																								
1	Not Applicable																								
2	Never																								
3	Less than monthly																								
4	Monthly																								
5	Weekly																								
6	Daily																								
-1	Unknown																								
Code	Description																								
1	Little Problem																								
2	Big Problem																								
<b>Reporting guide</b>	In the past 12 months: Q01 Transportation Q01b When this occurs has it been a big or little problem Q02 Natural environment Q02b When this occurs has it been a big or little problem Q03 Other aspects of surroundings Q03b When this occurs has it been a big or little problem Q04 Information been available Q04b When this occurs has it been a big or little problem Q05 Availability of health care services and medical care Q05b When this occurs has it been a big or little problem Q06 Help around the home Q06b When this occurs has it been a big or little problem Q07 Help at school or work Q07b When this occurs has it been a big or little problem Q08 Other people's attitudes at home Q08b When this occurs has it been a big or little problem Q09 Other people's attitudes at school or work Q09b When this occurs has it been a big or little problem Q10 Prejudice or discrimination Q10b When this occurs has it been a big or little problem Q11 Policies and rules of businesses and organisations Q11b When this occurs has it been a big or little problem Q12 Government programs and policies Q12b When this occurs has it been a big or little problem																								
<b>Purpose</b>	Outcomes reporting																								
<b>Data users</b>	VSTORM RESTORE Staff, Epidemiologists																								
<b>Collection start</b>	2014, Date of injury 1 July 2011- 30 June 2012 only																								
<b>Definition source</b>	RESTORE project only																								

Code set source

VSTORM