**KETAMINE IN ACUTE BEHAVIOURAL DISTURBANCE(KIA) DATA ABSTRACTION PROCEDURES AND CODING MANUAL**

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**Abbreviations:**

ABD: Acute Behavioural Disturbance

C:Centre

CAHS: Community & Allied Health Service

CDC: Community Dental Clinic

CH: Community Health

ChH: Childrens Hospital

CHC: Community Health Centre

CHCC: Community Health Care Centre

CMS: Careflight Medical Services

CMHTRE: Centre for Mental Health, Treatment, Research and Education

CPHS: Community and Public/Primary Health Service

CWC: Communbity Wellness Centre

DOS: Depth of Sedation

ExDS: Excited Delirium Syndrome

H: Hospital

HC: Health Centre

HHS: Hospital & Health Service

HP: Health Plaza

HS: Health Service

HSC: Health Service Centre

MH: Memorial Hospital

MHS: Multipurpose health service

NS: Nursing Service

OC: Outpatients Clinic

PHC: Primary Health Clinic

PHCC: Primary Health Care Centre

RASS: Richmond Agitation Sedation Scale

ReC: Rehabilitation Centre/ Residential Care

RFDS: Royal Flying Doctor Service

SAT: Sedation Agitation Tool

SS: Sedation scale

SBP: Systolic blood pressure

YDC: Youth Detention Centre

**Guidelines for data abstraction using KIA data abstraction form**

General:

1. Please complete all data fields in the form.
2. If the response to a question is a ‘Yes’ or ‘No’, please circle the response unambiguously.
3. If a question has more than one correct response among the options given, please circle all the appropriate responses unambiguously.
4. If you choose ‘Other’ as a response to a question, please characterize the response briefly. (for example while responding to Q24, if cardiac arrest was an adverse reaction, circle ‘Other’ and write ‘Cardiac arrest’)
5. If any data point is missing, please write ‘missing’ in the respective box.
6. Please address all queries/conflicts/ambiguities/suggestions/ideas about data abstraction to the principal investigator via e-mail([drvinaybg@gmail.com)](mailto:drvinaybg@gmail.com)) or text(0432650840).

Specific:

1. Demographic details:
2. Please enter the patient study number in a 4-digit format (for example the study number for the first patient chart you abstract data from would be 0001/0101/0201 and so on).
3. Please enter the patient’s QCC ID in a 8-digit format (for example 07723456).
4. Please enter the patient’s date of retrieval in dd/mm/yyyy format (for example 01/01/2016).
5. Please enter patient’s age in years in a three-digit format (for example 018).
6. Please circle patient’s gender.
7. Please enter patients weight in kilograms in a three-digit format (for example 099).
8. Sedation details:
9. For Questions 7 and 8, please specify the names of drugs used specifically for sedation (so opiates do not count even if they have sedating properties), routes of administration (IM/IV/PO/IO/SC/IN), total dose in milligrams (if patient is receiving a drug infusion, please document the calculated total dose of the drug) and, for post retrieval team arrival sedatives only, time of administration in hh:mm format. For infusions please document the start and end times of the infusion. ‘Pre-retrieval’ in Question 1 means prior to receiving handover from the referring facility. ‘During retrieval’ in Question 2 means the duration between receiving patient handover from the referring facility to giving patient handover to the receiving facility (including any road transfers to and from the airstrip/airport in case of fixed wing retrieval).
10. For Questions 9 and 10, please document the time in hh:mm format.
11. For Question 11, please document the total duration of the return retrieval leg(s) from "Arrive at patient” time to "Arrive receiving facility” time in minutes (for example 099 minutes). This would include any road legs that precede or follow an air leg.
12. For Question 13 and 14, please document the name of the facilities clearly (for example, Townsville hospital, Kowanyama PHCC, etcetera)
13. For Question 15, Psychosis not otherwise specified means any psychotic symptoms in a patient without a diagnosis of schizophrenia; Drug intoxication means under the influence of any psychostimulant drug.
14. For Question 18, Chronic respiratory disease means any obstructive or restrictive lung disease resulting in persistent functional impairment including COPD, Asthma, IPF, etc. Chronic heart disease means any heart disease resulting in persistent functional impairment including chronic heart failure, cardiomyopathy, etc.
15. For questions relating to potential adverse effects of ketamine ie. Questions 19, 21, 22 and 24 if these findings were present BEFORE ketamine had been administered please indicate so and the time that they were first noted.
16. For Question 25, please use free-text to enter any intervention in the corresponding box underneath the adverse reaction (for example BVM ventilation under laryngospasm).
17. For Question 27, please circle the response and write the time of intubation in hh:mm format.

**Guidelines for coding responses during data entry into SPSS:**

1. For Question 5, Male = 1, Female = 2
2. For all questions with yes/no response, Yes =1, No =2
3. For Question 7 & 8,
4. Ketamine =1, Droperidol =2, Midazolam = 3, Haloperidol = 4, Diazepam = 5, Olanzapine = 6, Any other drug=7
5. IV = 1, IM =2, PO=3, IO =4, SC =5, IN=6
6. For Question 12, FW =1, RW=2
7. For Question 13 and 14, use the table at the end of this document to assign codes
8. For Question 15, Schizophrenia=1, Psychosis not otherwise specified = 2, Drug intoxication =3, Other =4
9. For Question 18, Chronic respiratory disease =1, Obesity =2, Chronic kidney disease =3, Chronic liver disease =4, Chronic heart disease =5, Other =6
10. For Question 20, None =1, Fluids =2, Inotropes=3, Anti-hypertensives =4, Other =5
11. For Question 23, Airway manoeuvre =1, Airway device = 2, Supplemental oxygen =3, None =4
12. For Question 24, Nausea/Vomiting =1, increased secretions =2, Emergence phenomena =3, Apnoea =4, Laryngospasm =5, Other =6
13. For Question 27, Pre-retrieval =1, During retrieval =2
14. For Question 28, Airway protection/Respiratory depression =1, Persistent ABD =2, Other =3
15. For Questions with numerical responses, missing values= 9999.For all other questions, missing values = 999

**Table of referring and receiving facilities in Question 13 and 14 and codes to be assigned**

(please use spare codes for any facilities not listed in the table)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Facility | Code | Facility | Code | Facility | Code | Facility | Code |
| Alpha H | 1 | Dimbulah H | 51 | Laura PHCC | 101 | Rockhampton CPHS | 151 |
| Aramac H | 2 | Doomadgee H | 52 | Lockhart River PHCC | 102 | Rockhampton H | 152 |
| Atherton H | 3 | Dunwich HSC | 53 | Logan H | 103 | Roma H | 153 |
| Atherton PHCC | 4 | Dysart H | 54 | Longreach H | 104 | The RBWH H | 154 |
| Augathella H | 5 | Edmonton CHC | 55 | Mackay Base H | 105 | Saibai Is PHCC | 155 |
| Aurukun PHCC | 6 | Eidsvold HS | 56 | Mackay CH | 106 | Smithfield CHC | 156 |
| Ayr H | 7 | Emerald CPHS | 57 | Magnetic Island HSC | 107 | Springsure MPHS | 157 |
| Babinda H | 8 | Emerald H | 58 | Malanda PHC | 108 | St George H | 158 |
| Baillie Henderson H | 9 | Esk HS | 59 | Maleny H | 109 | Stanthorpe HS | 159 |
| Badu Island PHCC | 10 | Forsayth H | 60 | Mapoon PHCC | 110 | Surat H | 160 |
| Bamaga H | 11 | Gatton HS | 61 | Mareeba H | 111 | Tambo PHCC | 161 |
| Bamaga PHCC | 12 | Gayndah HS | 62 | Maryborough H | 112 | Tara HS | 162 |
| Banana CAHS | 13 | Georgetown H | 63 | Middlemount CHC | 113 | Taroom HS | 163 |
| Baralaba MHS | 14 | Gin Gin H | 64 | Miles HS | 114 | Texas HS | 164 |
| Barcaldine H | 15 | Gladstone CHS | 65 | Millaa Millaa HC | 115 | Thargomindah H | 165 |
| Beaudesert H | 16 | Gladstone H | 66 | Millmerran MPHS | 116 | The Park CMHTRE | 166 |
| Biggenden HS | 17 | Glenden CHC | 67 | Mission Beach CHC | 117 | Townsville H | 167 |
| Biloela H | 18 | Glenmorgan OC | 68 | Mitchell H | 118 | Theodore MPHS | 168 |
| Blackall H | 19 | Gold Coast H | 69 | Monto HS | 119 | Thursday Is CWC | 169 |
| Blackwater MHS | 20 | Goodna CH | 70 | Moonie OC | 120 | Thursday Is H | 170 |
| Bollon Bush NS | 21 | Goondiwindi HS | 71 | Moranbah H | 121 | Thursday Is PHCC | 171 |
| Boonah HS | 22 | Gordonvale MH | 72 | Mornington Is PHCC | 122 | Tieri CHC | 172 |
| Boulia PHCC | 23 | Yarrabah HS@ | 73 | Morven OC | 123 | Toowoomba HS | 173 |
| Bowen H | 24 | Gympie H | 74 | Mossman MPHS | 124 | Tully CHC | 174 |
| Brisbane YDC | 25 | Halwyn C | 75 | Mount Garnet OPD | 125 | Tully H | 175 |
| Bundaberg H | 26 | Herberton H | 76 | Mount Isa H | 126 | Wallumbilla H | 176 |
| Burketown HC | 27 | Hervey Bay H | 77 | Mount Morgan MPHS | 127 | Wandoan OC | 177 |
| Caboolture H | 28 | Home Hill H | 78 | Mount Perry HS | 128 | Warwick HS | 178 |
| Cairns H | 29 | Hopevale PHCC | 79 | Moura H | 129 | Weipa H | 179 |
| Cairns North CH | 30 | Hughenden HC | 80 | Mundubbera HS | 130 | Whitsunday CHC | 180 |
| Caloundra HS | 31 | Ingham HS | 81 | Mugindi H | 131 | Winton H | 181 |
| Camooweal HC | 32 | Inglewood HS | 82 | Murgon HS | 132 | Wondai HS | 182 |
| Capricorn Coast HHS | 33 | Injune H | 83 | Muttabura PHCC | 133 | Woorabinda MPHS | 183 |
| CQRural OC | 34 | Innisfail CHC | 84 | Nambour H | 134 | Wujal Wujal PHC | 184 |
| Charleville H | 35 | Innisfail H | 85 | Nanago HS | 135 | Wynnum H | 185 |
| Charters Towers HC | 36 | Ipswich CDC | 86 | Napranum PHCC | 136 | Yorke Island PHCC | 186 |
| Charters Towers ReC | 37 | Ipswich HP | 87 | Normanton H | 137 | Proserpine H | 187 |
| Cherbourg HS | 38 | Ipswich H | 88 | Oakey HS | 138 | Sarina H&PHCC | 188 |
| Childers H | 39 | Isisford PHCC | 89 | Pormpuraaw PHCC | 139 |  | 189 |
| Chillagoe H | 40 | Jandowae MHS | 90 | The Prince Charles H | 140 |  | 190 |
| Chinchilla HS | 41 | Palm Island HS\* | 91 | Princess Alexandra H | 141 |  | 191 |
| Clermont MHS | 42 | Julia Creek H | 92 | QueenElizabeth II H | 142 |  | 192 |
| Cloncurry H | 43 | Jumbun CHCC | 93 | Quilpie H | 143 |  | 193 |
| Coen PHCC | 44 | Jundah PHCC | 94 | Ravenshoe PHCC | 144 |  | 194 |
| Collinsville MHS | 45 | Karumbah HC | 95 | Redcliffe H | 145 |  | 195 |
| Cooktown MHS | 46 | Kilcoy H | 96 | Redland H | 146 |  | 196 |
| Croydon PHCC | 47 | Kingaroy HS | 97 | Redland HSC | 147 |  | 197 |
| Cunnamulla H | 48 | Kowanyama PHCC | 98 | Redland ReC | 148 |  | 198 |
| Dalby HS | 49 | Lady Cilento ChH | 99 | Richmond HC | 149 |  | 199 |
| Dirrabandi H | 50 | Laidley HS | 100 | Robina H | 150 |  | 200 |

@Yarrabah HS = Gurriny Yealamucka HS

\*Palm Island HS = Joyce Palmer HS