Functional Definitions for Second-Line Assessment

VASM — Victorian Audit of Surgical Mortality

ID	Question	Field name	Definition	Data Codes	Database	Field type	Format	Constraints
1	Study number	NODID	The Victorian Audit of Surgical Mortality unique study number generated by Bi-national Audit of Surgical mortality database upon entry	Unique numeric Notification Of Death (NOD) ID generated from BAS	BAS / Teleform	Print Field	Numeric	Hard check Compulsory entry
2	First line assessor's comments/questions to be addressed by second line assessor in case report	FirstLineQuestions	Comments made by the first-line assessor which require the attention of the second-line assessor	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Soft check Optional entry
3	Record Keeping - Medical Admission notes	RecordsMedicalAdmissionNotes	The quality of the medical admission notes of the patient	1 = Satisfactory 2 = Unsatisfactory 3 = Missing	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
4	Record Keeping - Medical follow up notes	RecordsMedicalFollowupNotes	The quality of the medical follow up notes of the patient	1 = Satisfactory 2 = Unsatisfactory 3 = Missing	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
5	Record Keeping - Procedure notes	RecordsProcedureNotes	The quality of the procedure notes of any surgery undertaken by the patient	1 = Satisfactory 2 = Unsatisfactory 3 = Missing	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
6	Record Keeping - Case summary letter to GP	RecordsGPCaseSummary	The quality of the case summary letter that was sent to the General Practitioner	1 = Satisfactory 2 = Unsatisfactory 3 = Missing	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
7	If NO OPERATION was performed - Should an operation have been performed?	NoOpAssessment	If no surgical procedure was performed on the patient, should a surgical procedure have been performed	1 = Yes 2 = No 3 = N/A	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry

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8	If YES, what operation and why?	NoOpAssessmentComment	If a surgical procedure was preferred, specify which surgical procedure should have been performed and why	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Hard check Compulsory entry if 7 = 1
9	If an OPERATION WAS PERFORMED: Pre-operative management/preparation	OpPreOpManagement	Were there any events of the patient's management that might be considered inappropriate and/or might have negatively contributed to the patient's outcome in the pre-operative (before the surgical procedure) management/preparation of the patient	1 = Yes 2 = No 3 = N/A	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
10	If an OPERATION WAS PERFORMED: Decision to operate at all	OpDecision	Were there any events of the patient's management that might be considered inappropriate and/or might have negatively contributed to the patient's outcome because of the decision to perform the surgical procedure	1 = Yes 2 = No 3 = N/A	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
11	If an OPERATION WAS PERFORMED: Choice of operation	OpTypeChoice	Were there any events of the patient's management that might be considered inappropriate and/or might have negatively contributed to the patient's outcome in the choice of operation	1 = Yes 2 = No 3 = N/A	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
12	If an OPERATION WAS PERFORMED: Timing of operation (too late, too soon, wrong time of day)	OpTiming	Were there any events of the patient's management that might be considered inappropriate and/or might have negatively contributed to the patient's outcome in the timing of the operation (too late, too soon, wrong time of day)	1 = Yes 2 = No 3 = N/A	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry

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13	If an OPERATION WAS PERFORMED: Intra-operative/technical management of surgery	OpIntraManagement	Were there any events of the patient's management that might be considered inappropriate and/or might have negatively contributed to the patient's outcome during the patient's surgical procedure	1 = Yes 2 = No 3 = N/A	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
14	If an OPERATION WAS PERFORMED: Grade/experience of surgeon deciding	OpDecidingSurgeonGradeExp	Were there any events of the patient's management that might be considered inappropriate and/or might have negatively contributed to the patient's outcome because of the surgeon's qualification or experience deciding on the performance of an operation	1 = Yes 2 = No 3 = N/A	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
15	If an OPERATION WAS PERFORMED: Grade/experience of surgeon operating	OpOperatingSurgeonGradeExp	Were there any events of the patient's management that might be considered inappropriate and/or might have negatively contributed to the patient's outcome because of the surgeon's qualification or experience operating on the patient	1 = Yes 2 = No 3 = N/A	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
16	If an OPERATION WAS PERFORMED: Post-operative care	OpPostOpCare	Were there any events of the patient's management that might be considered inappropriate and/or might have negatively contributed to the patient's outcome in the Post-operative (the period following a surgical operation) care	1 = Yes 2 = No 3 = N/A	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
17	Assessor's view (before any surgery) of overall risk of death	RiskOfDeathID	Assessor's view before any surgical procedure on the patient's overall risk of death	1 = Minimal 2 = Small 3 = Moderate 4 = Considerable 5 = Expected	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry

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18	Was ICU used?	ICUCare	Was Intensive Care Unit (ICU) used during the treatment of the patient	1 = Yes 2 = No	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
19	If not, would the patient have benefited from ICU care?	ICUCareBenefit	If ICU was not used, would the patient have benefited from ICU care	1 = Yes 2 = No 3 = N/A	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 18 = 2
20	Was HDU used?	HDUCare	Was High Dependency Unit (HDU) use during the treatment of the patient	1 = Yes 2 = No 3 = N/A	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
21	If not, would the patient have benefited from HDU care?	HDUCareBenefit	If HDU was not used, would the patient have benefited from HDU care	1 = Yes 2 = No 3 = N/A	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 20 = 2
22	Was the decision on the use of DVT prophylaxis appropriate?	DVTProphylaxisAppropriate	Was the patient appropriately treated with deep vein thrombosis (DVT) prophylaxis	1 = Yes 2 = No 3 = Don't know	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
23	Was fluid balance an issue in this case?	FluidBalanceIssue	Did the patient experience any fluid balance (maintaining the correct amount of fluids in the body) issues	1 = Yes 2 = No 3 = Don't know	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
24	Were there any areas of CONSIDERATION, CONCERN or ADVERSE EVENTS in the management of this patient?	AdverseEvents	Were there any areas for consideration, concern or adverse events associated with the management of the patient	1 = Yes 2 = No	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry
25	1. (Please describe the most significant event)	AdverseEventDescription_1	Describe the most significant area of consideration, concern or adverse event associated with the patient	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Hard check Compulsory entry if 24 =1
26	Area of:	AdverseEventAreaID_1	Indicate whether the event was an area of consideration, concern or adverse event	1 = Consideration 2 = Concern 3 = Adverse event	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 25 = Text entry

ID	Question	Field name	Definition	Data Codes	Database	Field type	Format	Constraints
27	Which:	AdverseEventOutcomeID_1	Indicate the impact this event had on the outcome of the patient	1 = Made no difference to outcome 2 = May have contributed to death 3 = Caused death of patient who would otherwise be expected to survive	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 25 = Text entry
28	Was it preventable?	AdverseEventPreventableID_1	Indicate whether the event was preventable	1 = Definitely 2 = Probably 3 = Probably not 4 = Definitely not	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 25 = Text entry
29	Associated with?	AdverseEventAssociationID_1	Indicate who was associated with the area of consideration, concern or adverse event	Audteam_1 = Audited surgical team Clinteam_1 = Another clinical team Hospital_1 = Hospital Other_1 = Other (specify)	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 25 = Text entry
30	Other (specify)	AssociationOtherDetail_1	If the option is not provided, specify who was associated with the patient's area of consideration, concern or adverse event	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Hard check Compulsory entry if 29 = Other_1
31	2. (please describe)	AdverseEventDescription_2	Describe the second most significant area of consideration, concern or adverse event associated with the patient	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Soft check Optional entry if 24 = 1
32	Area of:	AdverseEventAreaID_2	Indicate whether the event was an area of consideration, concern or adverse event	1 = Consideration 2 = Concern 3 = Adverse Event	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 31 = Text entry

ID	Question	Field name	Definition	Data Codes	Database	Field type	Format	Constraints
33	Which:	AdverseEventOutcomeID_2	Indicate the impact this event had on the outcome of the patient	1 = Made no difference to outcome 2 = May have contributed to death 3 = Caused death of patient who would otherwise be expected to survive	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 31 = Text entry
34	Was it preventable?	AdverseEventPreventableID_2	Indicate whether the event was preventable	1 = Definitely 2 = Probably 3 = Probably not 4 = Definitely not	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 31 = Text entry
35	Associated with?	AdverseEventAssociationID_2	Indicate who was associated with the area of consideration, concern or adverse event	Audteam_2 = Audited surgical team Clinteam_2 = Another clinical team Hospital_2 = Hospital Other_2 = Other (specify)	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 31 = Text entry
36	Other (specify)	AssociationOtherDetail_2	If the option is not provided, specify who was associated with the patient's area of consideration, concern or adverse event	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Hard check Compulsory entry if 35 = Other_2
37	3. (please describe)	AdverseEventDescription_3	Describe the third most significant area of consideration, concern or adverse event associated with the patient	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Soft check Optional entry if 24 = 1
38	Area of:	AdverseEventAreaID_3	Indicate whether the event was an area of consideration, concern or adverse event	1 = Consideration 2 = Concern 3 = Adverse Event	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 37 = Text entry

ID	Question	Field name	Definition	Data Codes	Database	Field type	Format	Constraints
39	Which:	AdverseEventOutcomeID_3	Indicate the impact this event had on the outcome of the patient	1 = Made no difference to outcome 2 = May have contributed to death 3 = Caused death of patient who would otherwise be expected to survive	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 37 = Text entry
40	Was it preventable?	AdverseEventPreventableID_3	Indicate whether the event was preventable	1 = Definitely 2 = Probably 3 = Probably not 4 = Definitely not	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 37 = Text entry
41	Associated with?	AdverseEventAssociationID_3	Who was the areas for consideration, concern or adverse events associated with for the third management issue?	Audteam_3 = Audited surgical team Clinteam_3 = Another clinical team Hospital_3 = Hospital Other_3 = Other (specify)	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 37 = Text entry
42	Other (specify)	AssociationOtherDetail_3	If the option is not provided, specify who was associated with the patient's area of consideration, concern or adverse event	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Hard check Compulsory entry if 41 = Other_3
43	4. (least significant event)	AdverseEventDescription_4	Describe the least significant area of consideration, concern or adverse event associated with the patient	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Soft check Optional entry if 24 = 1
44	Area of:	AdverseEventAreaID_4	Indicate whether the event was an area of consideration, concern or adverse event	1 = Consideration 2 = Concern 3 = Adverse Event	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 43= Text entry

ID	Question	Field name	Definition	Data Codes	Database	Field type	Format	Constraints
45	Which:	AdverseEventOutcomeID_4	Indicate the impact this event had on the outcome of the patient	1 = Made no difference to outcome 2 = May have contributed to death 3 = Caused death of patient who would otherwise be expected to survive	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 43= Text entry
46	Was it preventable?	AdverseEventPreventableID_4	Indicate whether the event was preventable	1 = Definitely 2 = Probably 3 = Probably not 4 = Definitely not	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 43= Text entry
47	Associated with?	AdverseEventAssociationID_4	Indicate who was associated with the area of consideration, concern or adverse event	Audteam_4 = Audited surgical team Clinteam_4 = Another clinical team Hospital_4 = Hospital Other_4 = Other (specify)	BAS / Teleform	Choice Field	Numeric	Hard check Compulsory entry if 43= Text entry
48	Other (specify)	AssociationOtherDetail_4	If the option is not provided, specify who was associated with the patient's area of consideration, concern or adverse event	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Hard check Compulsory entry if 47 = Other_4
49	Preventability of Outcome - In the view of the First line assessor was the outcome in this case potentially preventable?	OutcomeAvoidable	Was the outcome of the patient preventable	1 = A - Yes, in my view the outcome was potentially preventable 2 = B - No, in my view the outcome was not preventable	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry
50	A - Yes, in my view the outcome was potentially preventable V Failure of communication	FailureOfCommunication	The outcome was potentially preventable and was result of a breakdown of communication	1 = V Failure of communication	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 1

ID	Question	Field name	Definition	Data Codes	Database	Field type	Format	Constraints
51	A - Yes, in my view the outcome was potentially preventable W Lack of timely involvement of experienced staff	LackOfTimelyInvolvementOfExper	The outcome was potentially preventable and was result of a lack of timely involvement of experienced staff	1 = W Lack of timely involvement of experienced staff	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 1
52	A - Yes, in my view the outcome was potentially preventable X Inadequate resources	InadequateResources	The outcome was potentially preventable and was result of inadequate resources being made available	1 = X Inadequate resources	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 1
53	A - Yes, in my view the outcome was potentially preventable Y Protocol breach	ProtocolBreach	The outcome was potentially preventable and was result of a protocol breach with the management of the patient	1 = Y Protocol breach	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 1
54	A - Yes, in my view the outcome was potentially preventable Z Other (must be specified)	PotentiallyAvoidableOutcomeOth	If the option is not provided, specify why the outcome was potentially preventable	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Soft check Optional entry if 49 = 1
55	A - Yes, in my view the outcome was potentially preventable 1 Preoperative 1.1 Inadequate preoperative specific condition investigation	InadequatePreoperativeSpecific	The outcome was potentially preventable before the surgical procedure and was result of inadequate preoperative specific condition investigations	1 = 1.1 Inadequate preoperative specific condition investigation	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 1
56	A - Yes, in my view the outcome was potentially preventable 1 Preoperative 1.2 Inadequate preoperative general investigations	InadequatePreoperativeGeneral	The outcome was potentially preventable before the surgical procedure and was result of inadequate preoperative general investigations	1 = 1.2 Inadequate preoperative general investigations	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 1
57	A - Yes, in my view the outcome was potentially preventable 1 Preoperative 1.3 Incorrect or untimely diagnosis	IncorrectOrUntimelyDiagnosis	The outcome was potentially preventable before the surgical procedure and was result of incorrect or untimely diagnosis	1 = 1.3 Incorrect or untimely diagnosis	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 1

ID	Question	Field name	Definition	Data Codes	Database	Field type	Format	Constraints
58	A - Yes, in my view the outcome was potentially preventable 1 Preoperative 1.4 Inappropriate preoperative preparation	InappropriatePreoperativePrep	The outcome was potentially preventable before the surgical procedure and was result of inappropriate preoperative preparation	1 = 1.4 Inappropriate preoperative preparation	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 1
59	A - Yes, in my view the outcome was potentially preventable 1 Preoperative 1.5 Inappropriate treatment delay	InappropriateTreatmentDelay	The outcome was potentially preventable before the surgical procedure and was result of inappropriate treatment delay	1 = 1.5 Inappropriate treatment delay	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 1
60	A - Yes, in my view the outcome was potentially preventable 1 Preoperative 1.6 Other (must be specified)	PreOperativeOther	If the option is not provided, describe any issues with the management of the patient before the surgical procedure	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Soft check Optional entry if 49 = 1
61	A - Yes, in my view the outcome was potentially preventable 2 Intraoperative 2.1 Personnel issue	PersonnelIssue	The outcome was potentially preventable during the surgical procedure and was result of the personnel involved with the patient's management	1 = 2.1 Personnel issue	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 1
62	A - Yes, in my view the outcome was potentially preventable 2 Intraoperative 2.2 Facility / equipment issue	FacilityOrEquipmentIssue	The outcome was potentially preventable during the surgical procedure and was result of inadequate facility / equipment	1 = 2.2 Facility / equipment issue	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 1
63	A - Yes, in my view the outcome was potentially preventable 2 Intraoperative 2.3 Other (must be specified)	IntraOperativeOther	If the option is not provided, describe any issues with the management of the patient during the surgical procedure	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Soft check Optional entry if 49 = 1
64	A - Yes, in my view the outcome was potentially preventable 3 Postoperative 3.1 Deficient postoperative care	DeficientPostoperativeCare	The outcome was potentially preventable after the surgical procedure and was result of inadequate care provided after the patient's surgical procedure	1 = 3.1 Deficient postoperative care	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 1

ID	Question	Field name	Definition	Data Codes	Database	Field type	Format	Constraints
65	A - Yes, in my view the outcome was potentially preventable 3 Postoperative 3.2 Failure of problem recognition	FailureOfProblemRecognition	The outcome was potentially preventable after the surgical procedure and was result of failing to identify problems resulting from the surgical procedure	1 = 3.2 Failure of problem recognition	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 1
66	A - Yes, in my view the outcome was potentially preventable 3 Postoperative 3.3 Other (must be specified)	PostOperativeOther	If the option is not provided, describe any issues with the management of the patient after the surgical procedure	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Soft check Optional entry if 49 = 1
67	B - No, in my view the outcome was not preventable	OutcomeExpected	Specify whether the outcome, which was not preventable, expected or unexpected	1 = B.1 Expected 2 = B.2 Unexpected	BAS / Teleform	Choice Field	Numeric	Soft check Optional entry if 49 = 2
68	Additional Comments/Feedback:	FeedbackComments	Any comments or feedback which are relevant to the assessment	Assessor's comments = Free text	BAS / Teleform	Text	Alphanumeric	Soft check Optional entry