



Queensland Injury Surveillance Unit

Domestic violence in the ED: The tip of the Iceberg?

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QISU data overview

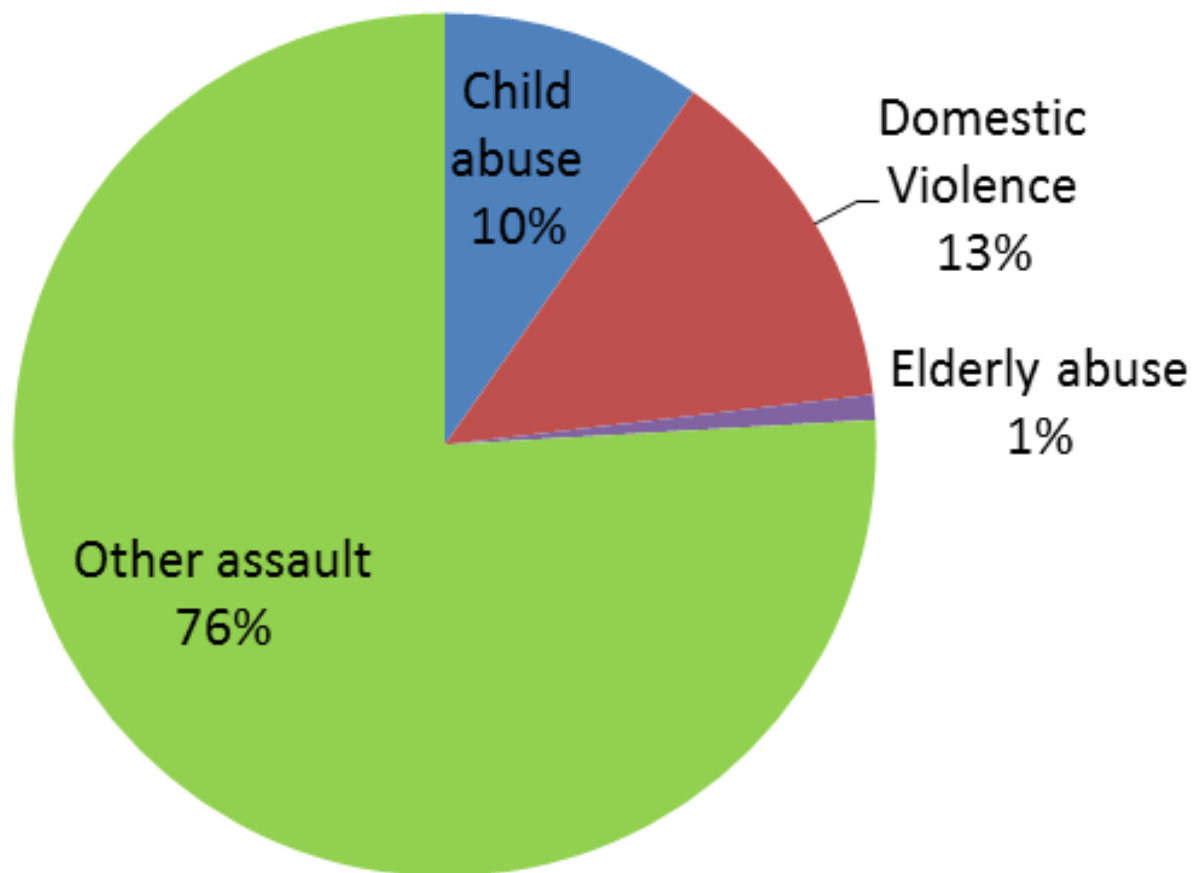
- Collect **triage based** emergency department data
- Only from participating hospitals
- Data includes:
 - Triage text description
 - Intent (**disclosed**)
 - Injury mechanism
 - Location
 - Single injury diagnosis (ICD 10)
 - Triage category (severity marker)
 - Admission status (severity marker)

Domestic violence in the ED

- May not be disclosed at triage
- Disclosure may vary according to:
 - Location
 - Cultural issues
 - Severity
 - Injury type
 - Questioning
- Intervention may depend on:
 - Admission status
 - Day/ time of presentation
 - Severity

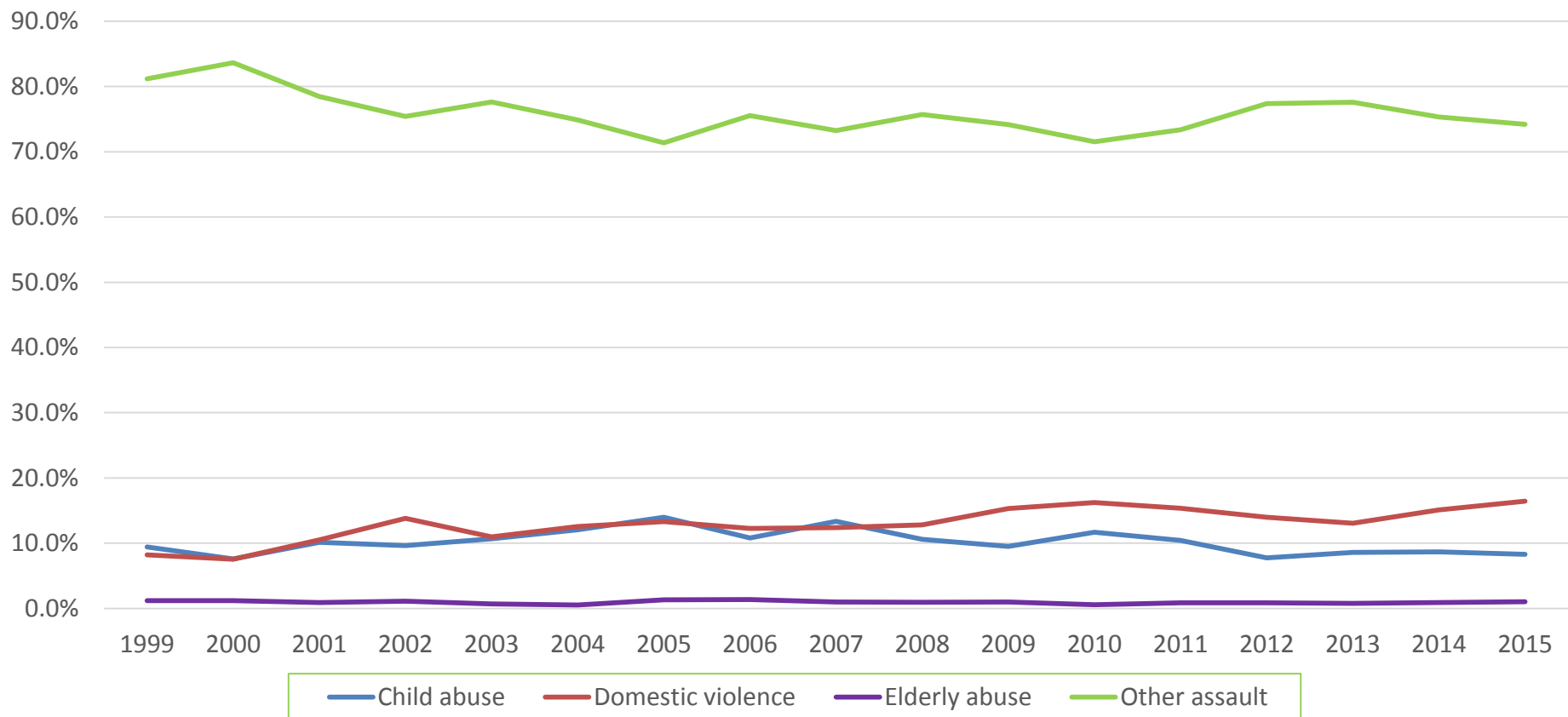
All hospital assault:

Assault-related injuries QISU data 1999 - 2015



Proportion of all assaults: time

Assault-related injuries over time
QISU data 1999 - 2015

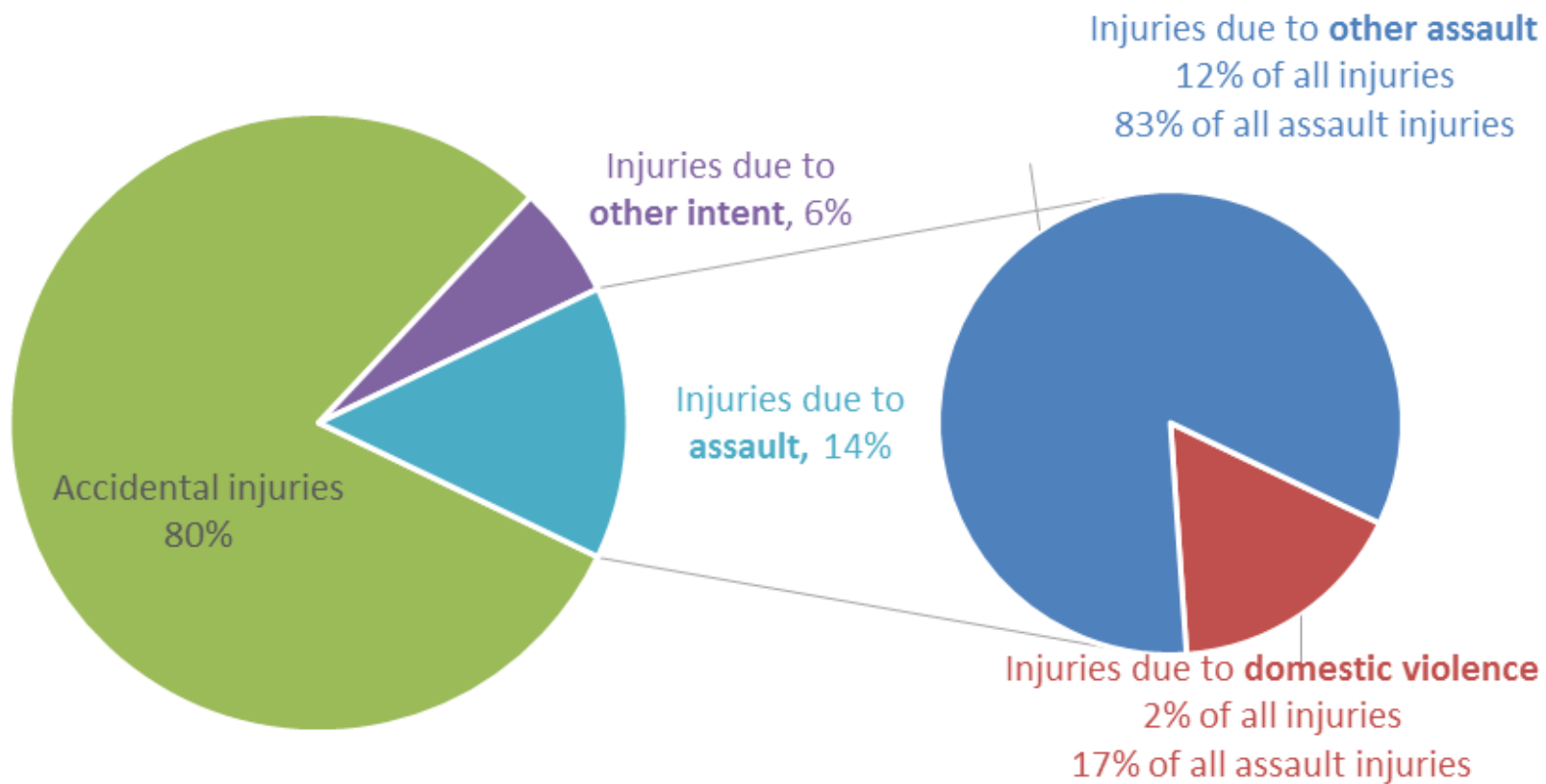


Assault type all hospitals

Assault type	Age group							Total
	0 - 4	5 - 9	10 - 14	15 - 24	25 - 44	45 - 64	65 +	
Child abuse	495	504	2125	1022				4146
Child maltreatment (other)	304	431	2035	973				3743
Child maltreatment by parent	191	73	90	49				403
Domestic violence	33	4	17	1604	3250	685	71	5664
DV in elderly							71	71
DV in under 18			10					10
DV Involving child	33	4	7	1				45
Maltreatment by spouse/partner (DV)				1603	3250	685		5538
Elderly abuse							395	395
Elderly maltreatment (other)							395	395
Other assault				12488	15593	4096		32177
Assault (other/unspecified)				12488	15593	4096		32177
Total	528	508	2142	15114	18843	4781	466	42382

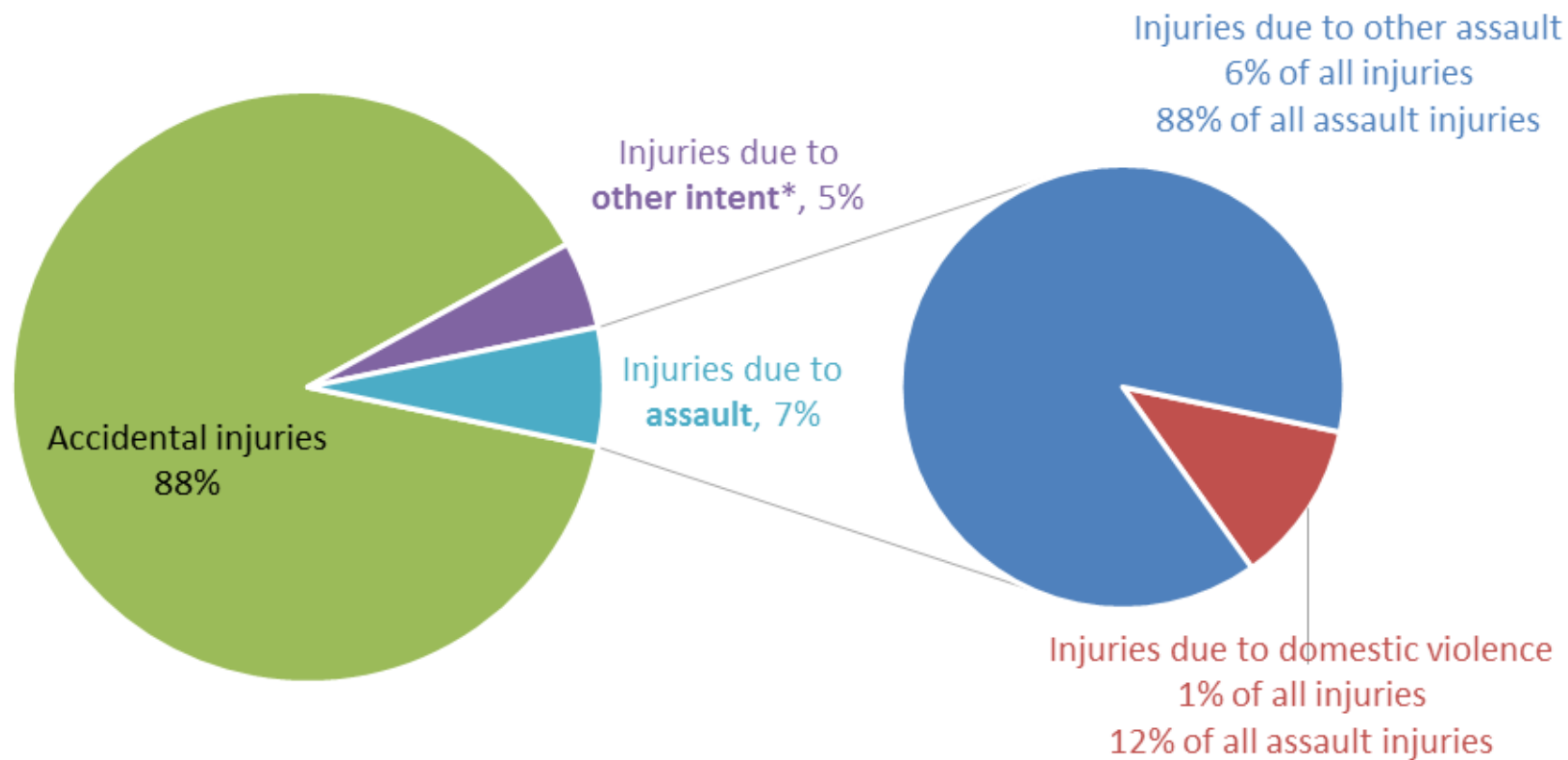
Individual sites: Mt Isa

Overview of Injury intent in Mt Isa Hospital
QISU data 1999 - 2015



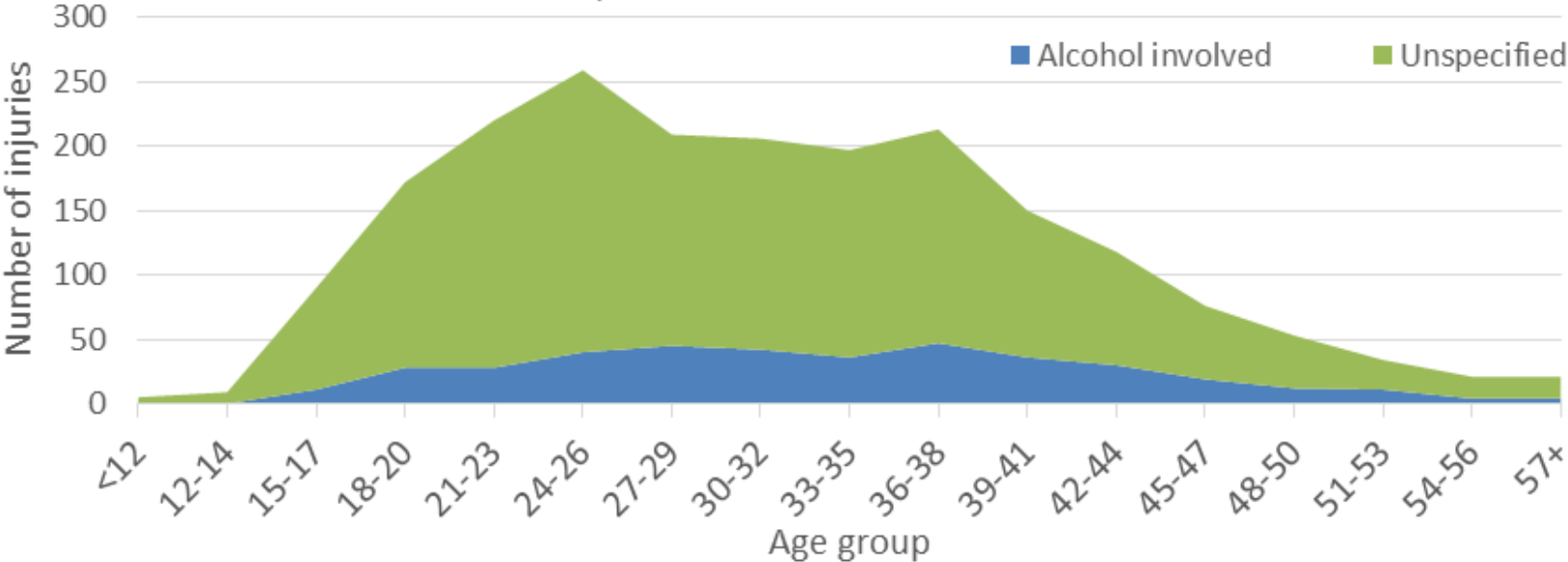
Individual sites: Townsville

Overview of Injury intent in Townsville hospital
QISU data 2011 - 2015

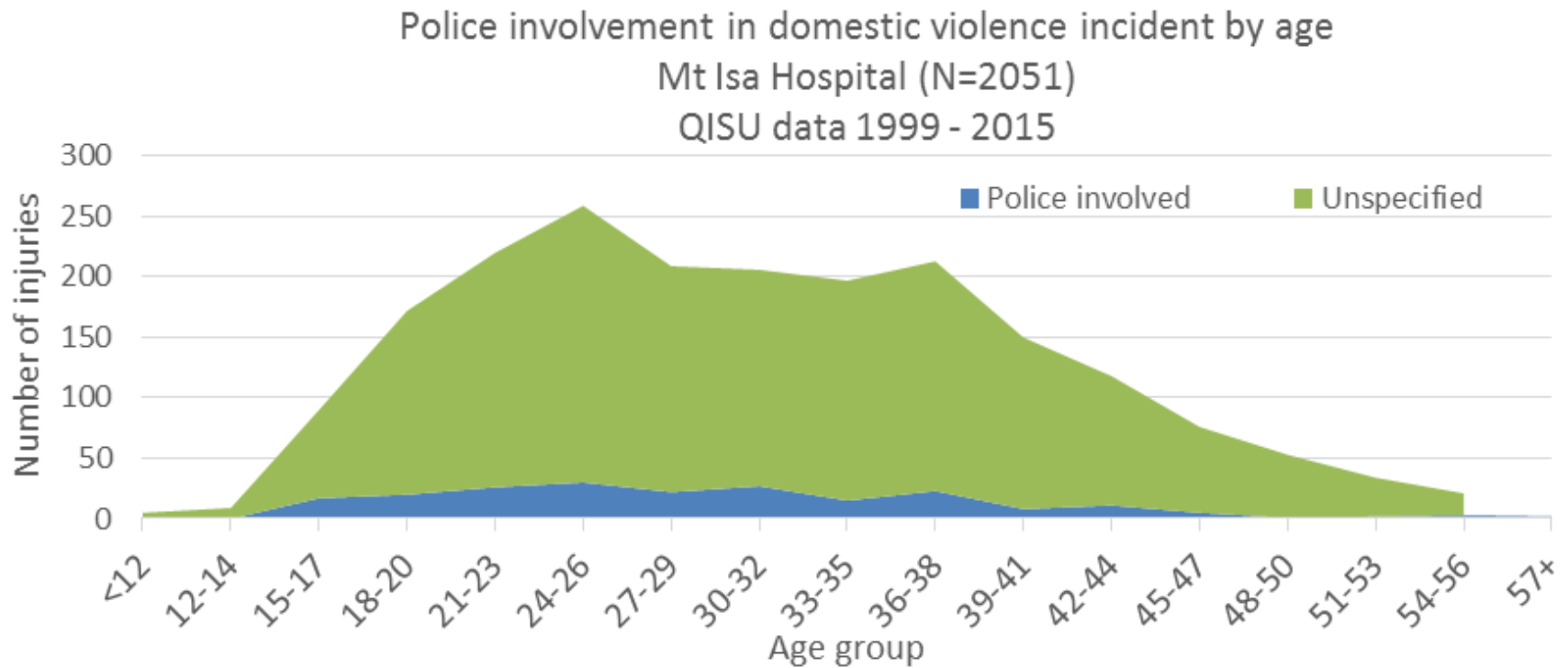


Alcohol involvement identified: Mt Isa

Alcohol involvement in domestic violence incident by age
Mt Isa Hospital (N=2051)
QISU data 1999 - 2015



Police involvement identified: Mt Isa



Injury mechanism comparison

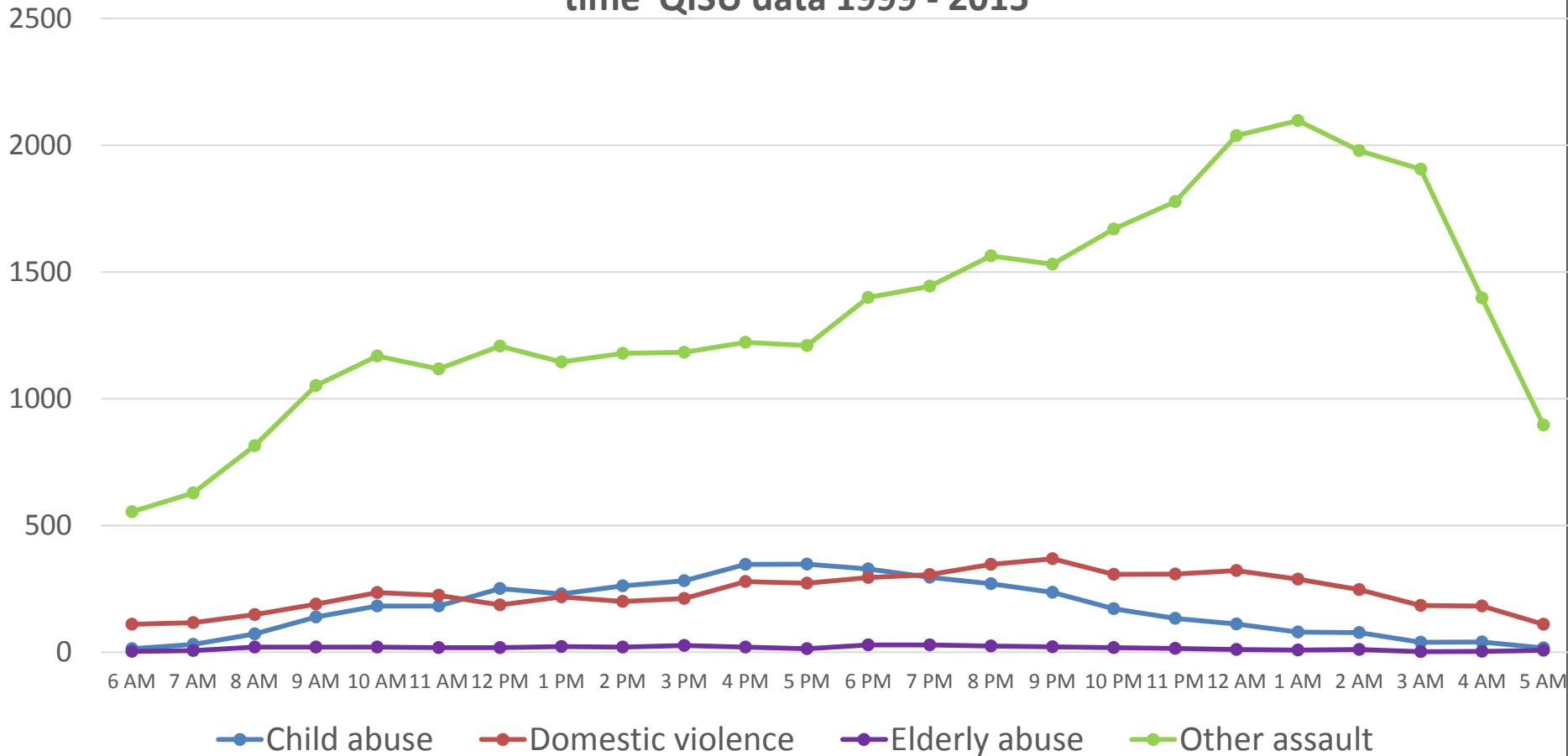
Assault type	Mt Isa Hospital			Townsville Hospital			RBWH			Grand Total
	Gender		Total	Gender		Total	Gender		Total	
	Male	Female		Male	Female		Male	Female		
Unspecified	158	529	687	37	146	183	2	44	46	916
Kicked/punched	108	424	532	29	159	188	1	18	19	739
Hit with blunt object	195	291	486	35	54	89	3	10	13	588
Stabbing/piercing	120	53	173	21	21	42	1	3	4	219
Pushed/dragged	6	62	68	8	41	49		3	3	120
Human bite	12	33	45	1	13	14	1	3	4	63
Suffocation/strangulation		20	20		28	28		7	7	55
Head bashing	2	5	7	1	9	10				17
Scratching	6	2	8	1	6	7		1	1	16
Burn	5	6	11	3	1	4		1	1	16
Sexual assault		5	5					2	2	7
Other		6	6		1	1				7
Struck by car	1	1	2		2	2				4
King hit	1		1							1
Grand Total	614	1437	2051	136	481	617	8	92	100	2768

Body location comparison

Body region injured	Mt Isa Hospital			Townsville Hospital			RBWH			Grand Total
	Gender		Total	Gender		Gender	Total		Gender	
	Male	Female		Male	Female		Male	Female		
Head/face	300	743	1043	72	221	293	4	37	41	1377
Neck	11	25	36	3	14	17		6	6	59
Upper limbs	123	192	315	24	70	94		17	17	426
Abdomen, thorax	54	106	160	15	40	55	1	9	10	225
Lower back, pelvis	3	19	22	2	3	5		2	2	29
Lower limbs	42	74	116	6	18	24	1	2	3	143
Multiple injuries	39	132	171	8	85	93	2	12	14	278
Unspecified	42	146	188	6	30	36		7	7	231
Grand Total	614	1437	2051	136	481	617	8	92	100	2768

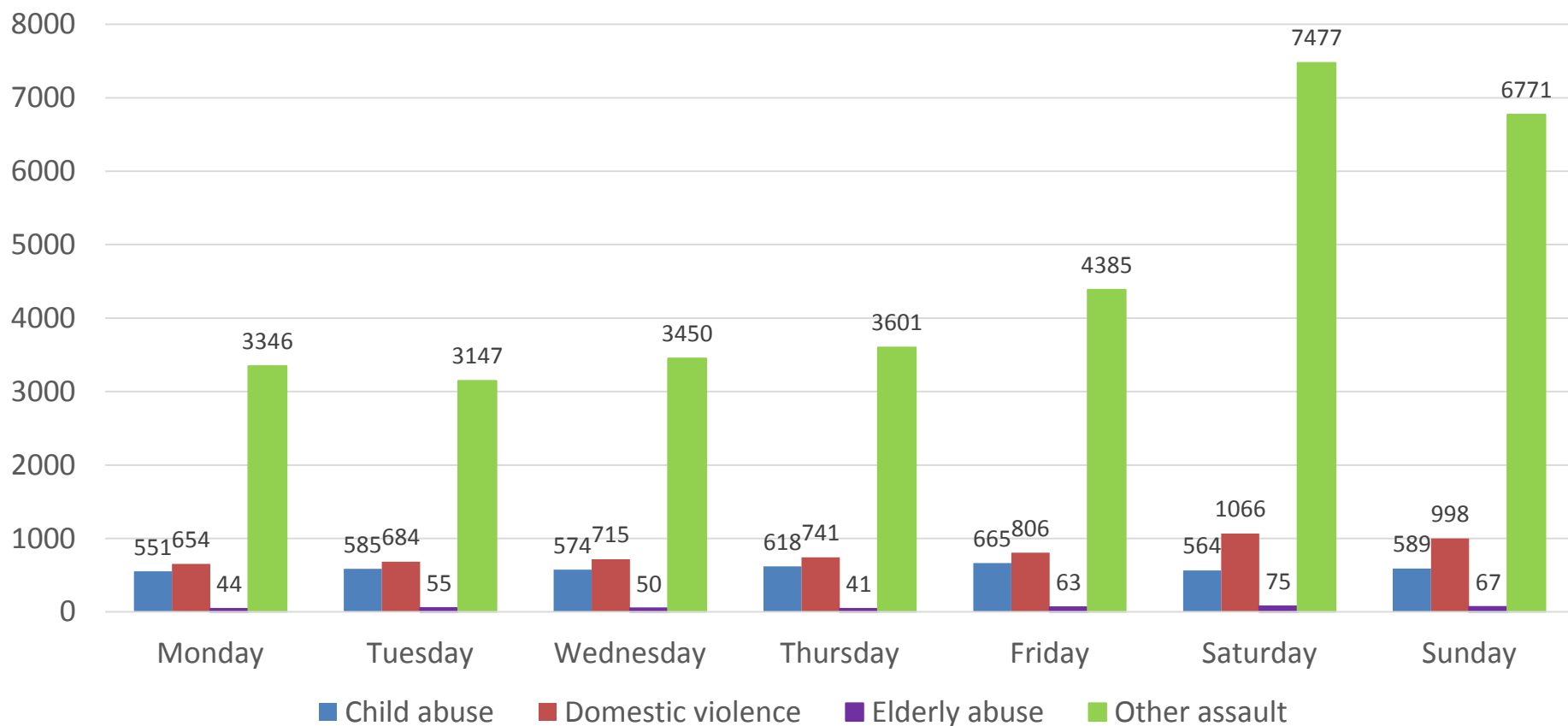
Time of day: all hospitals

Assault-related injuries (number of injuries) by attend
time QISU data 1999 - 2015



Day of week: all hospitals

Assault-related injuries (number of injuries) by attend day
QISU data 1999 - 2015



Admission status: comparison

Mode of separation	Mt Isa Hospital			Townsville Hospital			RBWH			Grand Total
	Gender		Total	Gender		Total	Gender		Total	
	Male	Female		Male	Female		Male	Female		
Admitted(excl.ED Bed)	67	160	227 (11%)	21	122	143 (23%)	1	17	18	388 (14%)
Did not wait	48	117	165	15	35	50		1	1	216 (8%)
Discharged from ED	424	1049	1473	93	291	384	5	67	72	1929 (70%)
Left after treatment commenced	75	108	183	7	33	40	2	7	9	232 (8%)
Transfer to another hospital		3	3							3
Grand Total	614	1437	2051	136	481	617	8	92	100	2768

Triage severity comparison

Triage	Mt Isa Hospital			Townsville Hospital			RBWH			Grand Total
	Gender		Total	Gender		Total	Gender		Total	
	Male	Female		Male	Female		Male	Female		
Resuscitation (immediate)	4	4	8	4	7	11		1	1	20
Emergency (10 minutes)	35	29	64	10	10	20	1	4	5	89
Urgent (30 minutes)	145	434	579	60	213	273	3	44	47	899
Semi urgent (60 minutes)	353	826	1179	61	247	308	4	39	43	1530
Non urgent (120 minutes)	77	144	221	1	4	5		4	4	230
Grand Total	614	1437	2051	136	481	617	8	92	100	2768



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Questions/ comments?

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