The new UPLOADS national incident dataset. Paul Samon & Scott McLean Centre for Human Factors & Sociotechnical Systems Australian Camps Association Conference, 27-28 June, Caloundra usc.edu.au | Rise, and shings part of the conference of the co





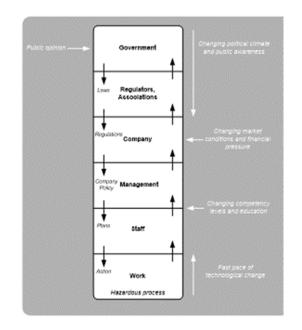


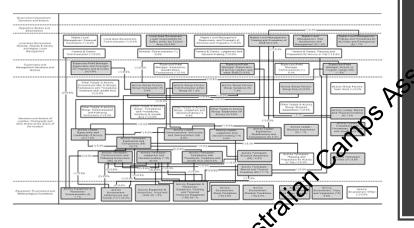


Alstralian Cannos Association

Incident reporting and learning App provides capacity to reportiury, illness, and near mis

- Organisations can interrogate their own incident data as well as sector-wide data via the NID
- Calculation of incident rate
- New version of UPLOADS removes many of the issues/problems associated with UPLOADS V1.0



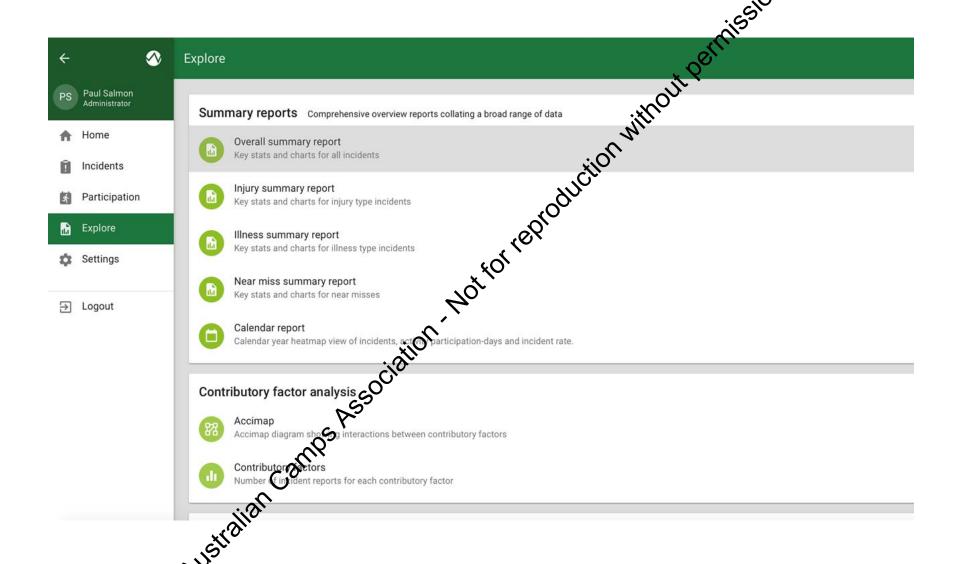


State-of-the-art

onsistent with the string and the Consistent with contemporary models of accident causation

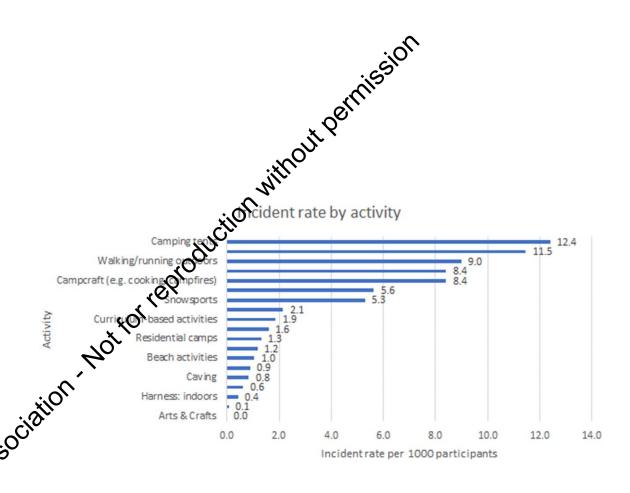
Identification of contributory factors across all levels of the led outdoor activity system, including government and regulatory levels





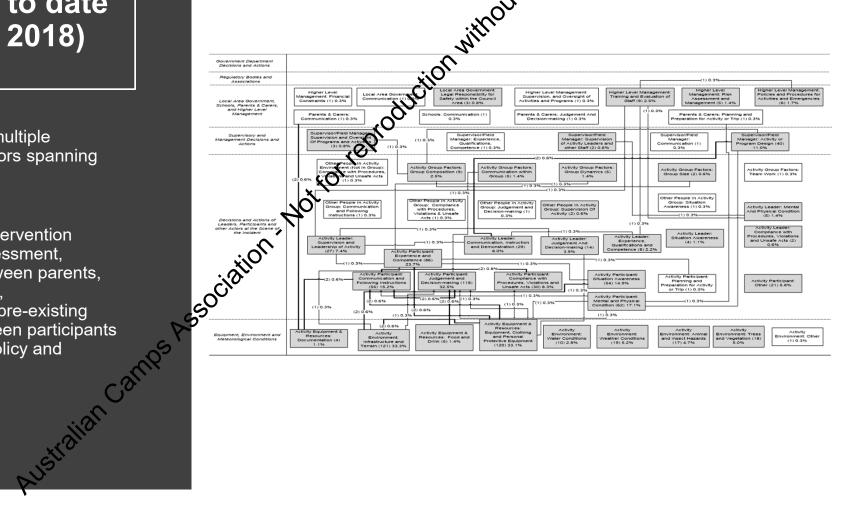
Findings to date (2015 – 2018)

- 2037 incidents reported
- 3086 contributory factors
- Low incident rate
- Most injuries are minor
- Less overtly risky activities have higher injury incident rate



Findings to date (2015 – 2018)

- Incidents have multiple contributory factors spanning multiple actors
- Key areas for intervention include risk assessment, interactions between parents, centres, schools, documentation, pre-existing injuries, fit between participants and activities, policy and procedures





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Activity incident rate (some activities omitted due to less than 3 organisations)

ACTIVITY TYPE	NUMBER OF INCIDENTS	ACTIVITY PARTICIPATION DAYS	ACTIVITY INCIDENT RATE	Activity incident rate
Archery	4	19727	0.2	Walking Numing
				Wheel sports
Beach activities	14	14841	0.9	Caving
Campcraft (e.g. cooking, campfires)	133	61946	2.1	Camping (Tents) Travelling / Logistics Curriculum-based activities
Camping (Residential)	8	21682	0.4	34
Caving	4	629	6.4	Travelling / Logistics
Curriculum-based activities	89	25602	3.5	Curriculum-based activities
ree time	66	27540	3.5	Fresh water activities
				Free time
Harness: Outdoors	109	109566	1.0	Other
				Campcraft (e.g. cooking,
Salt water activities	9	16170	0.6	campfires) Teambuilding games
resh water activities	141	555(14)	2.5	
				Harness: Outdoors
Feambuilding games	85	2 59965	1.4	Beach activities
Fravelling / Logistics	20 5	4164	4.8	Salt water activities
Walking/running	20 60 70 77 90	54888	11.0	Camping (Residential)
Wheel sports	177	24109	7.3	Archery
Other G	<i>O</i> ₉₀	40629	2.2	7 to that y
Camping (Tents)	508	80706	6.3	
Jrban program	-	-	-	
Camping (Tents) Urban program				
				0 5 10

Incident type by severity

Severity definitions

NO IMPACT

Consequences: Negligible Treatment: Not required Evacuation: Not required Examples: Falls, equipment failures, rock falls, tangerous weather that did not result in an adverse outcome.

MINOR

Consequences: Short term impact Treatment: Localised care (e.g., first aid) Evacuation: Not required Examples: Superficial cut, blisters, splinters, hayfever, travel sickness

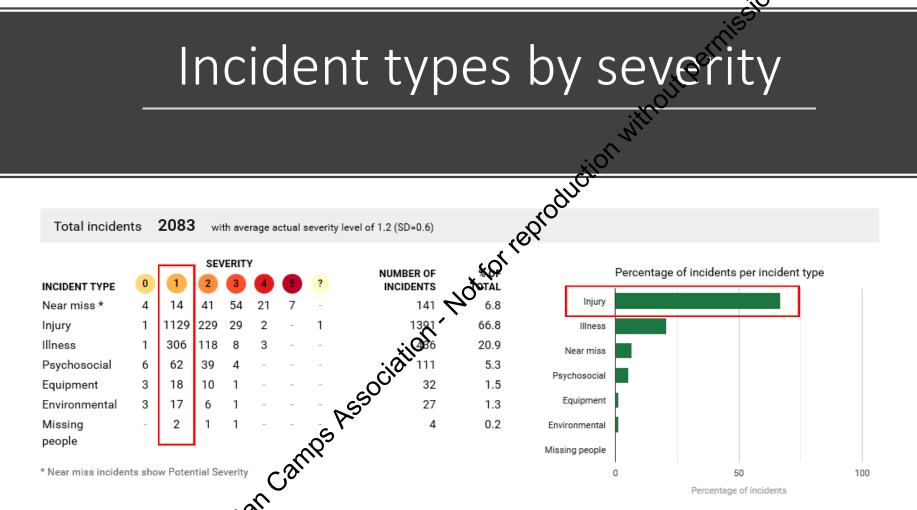
2 MODERATE
Consequences: Short to medium term effects Treatment: Ongoing localised or external care (e.g., formal packets) Evacuation: Temporary cessation of activity, localised or external assessment and tr burns/cuts, food intolerances, fainting, diarrhea/vomiting.

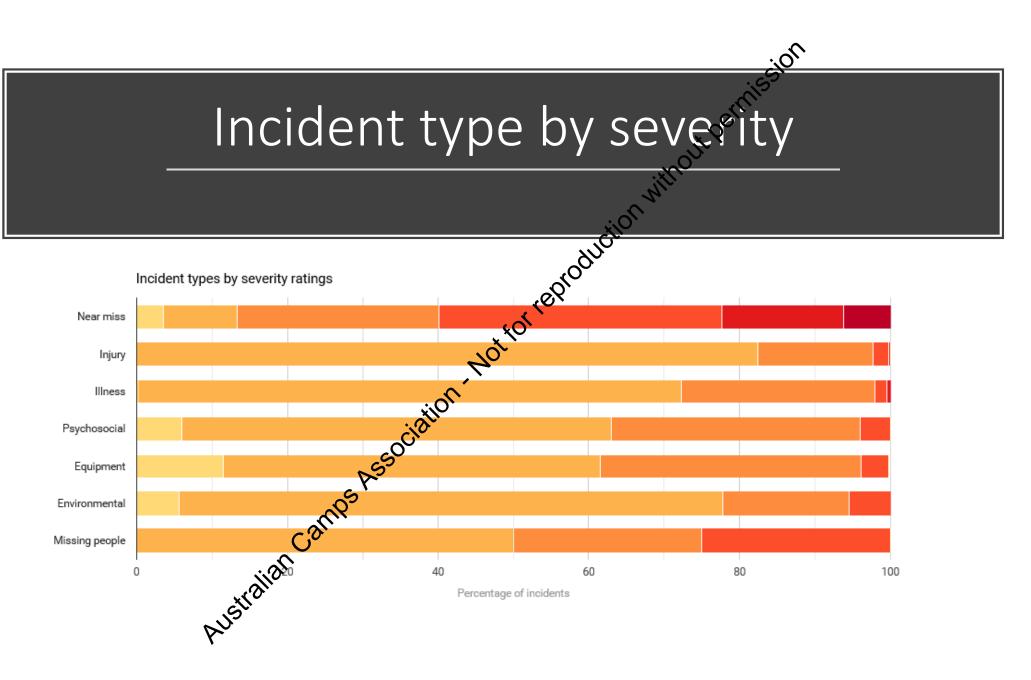
3 SERIOUS
Consequences: Medium to long term effects Treatment: Timely external medical care Evacuation (i.e., no return to activity) Examples: Simple fractures, deep cuts/burns, hypothermia, infections.

: United emergency medical assistance with ongoing care Evacuation: Emergency evacuation Examples: Multiple or complicated fractures (e.g. spinal), anaphylaxis, crushing injuries, severe fever

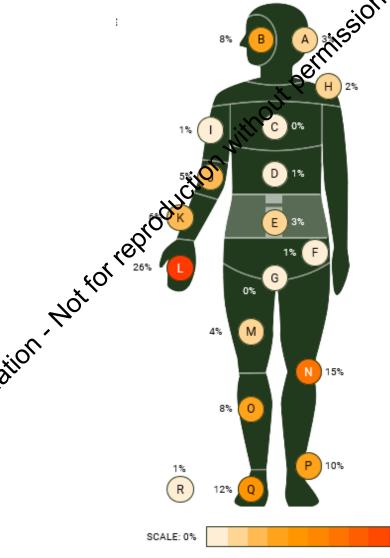
5 CRITICAL

Consequences: Certain death or fatality Treatment: Urgent emergency medical assistance Evacuation: Urgent emergency evacuation Examples: Amputation, head trauma, disembowelment, prolonged severe abdominal pain.









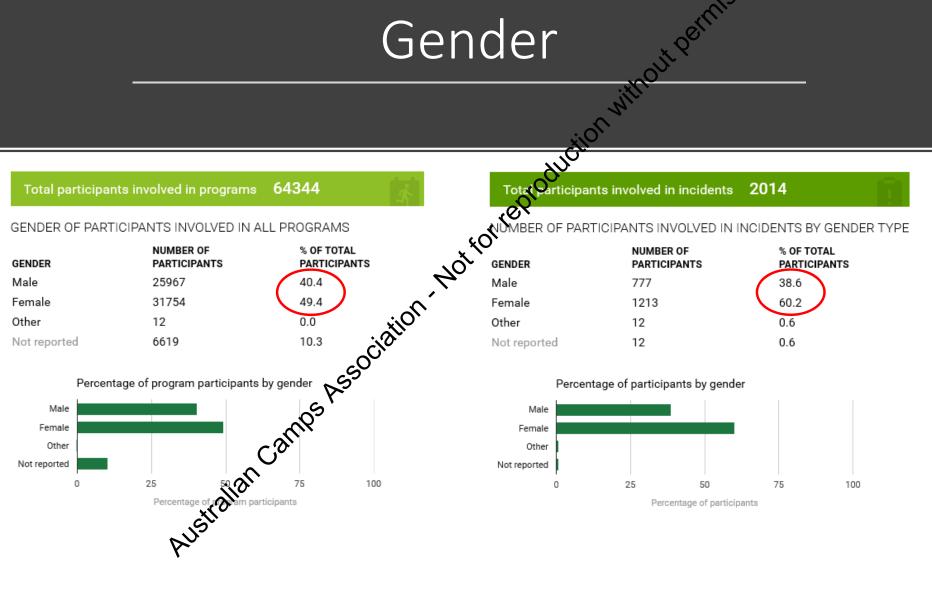
30%

Gender

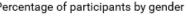
Total participants involved in programs

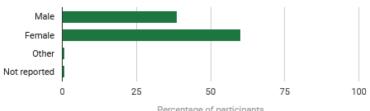
GENDER OF PARTICIPANTS INVOLVED IN ALL PROGRAMS

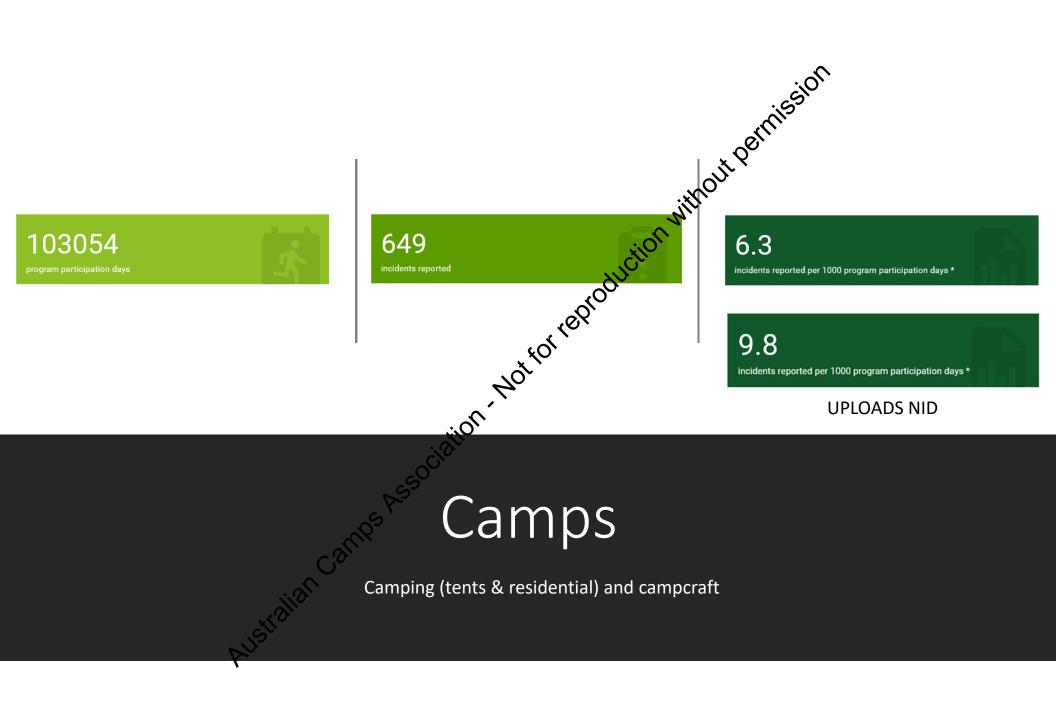
GENDER	NUMBER OF PARTICIPANTS	% OF TOTAL PARTICIPANTS
Male	25967	40.4
Female	31754	49.4
Other	12	0.0
Not reported	6619	10.3

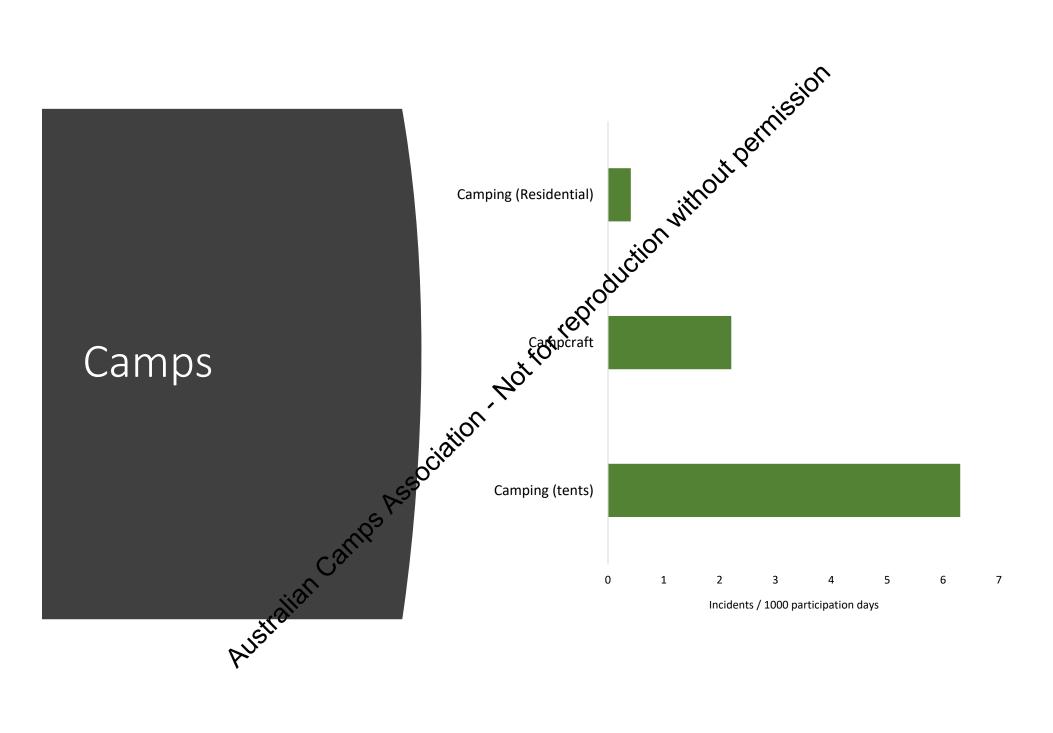


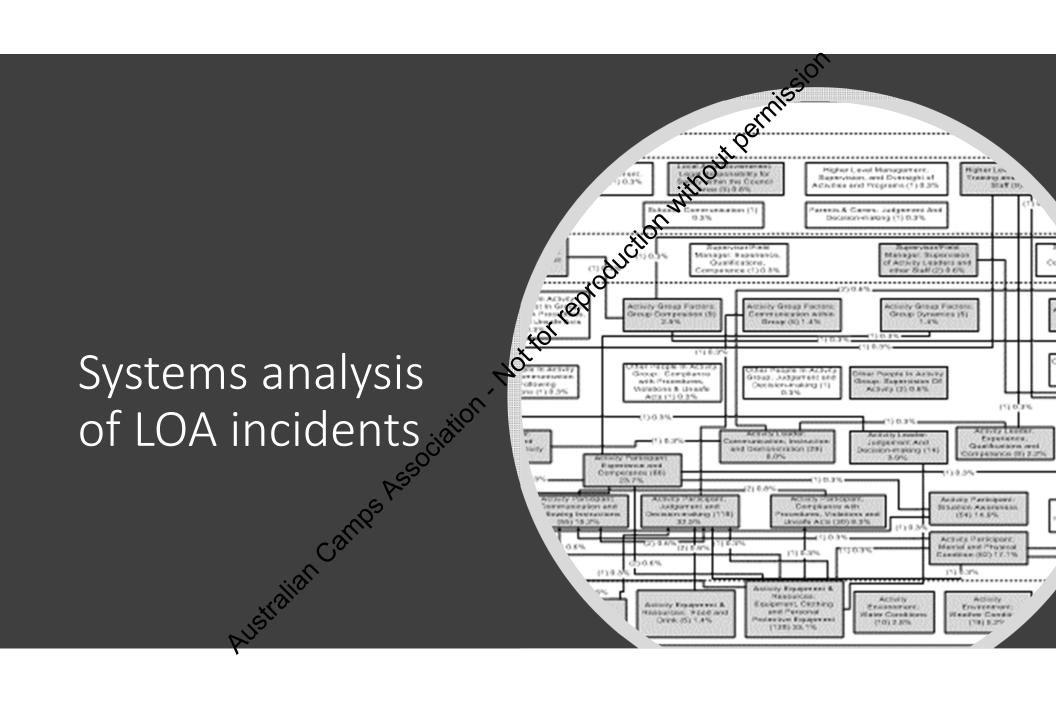
GENDER	NUMBER OF PARTICIPANTS	% OF TOTAL PARTICIPANTS
Male	777	38.6
Female	1213	60.2
Other	12	0.6
Not reported	12	0.6

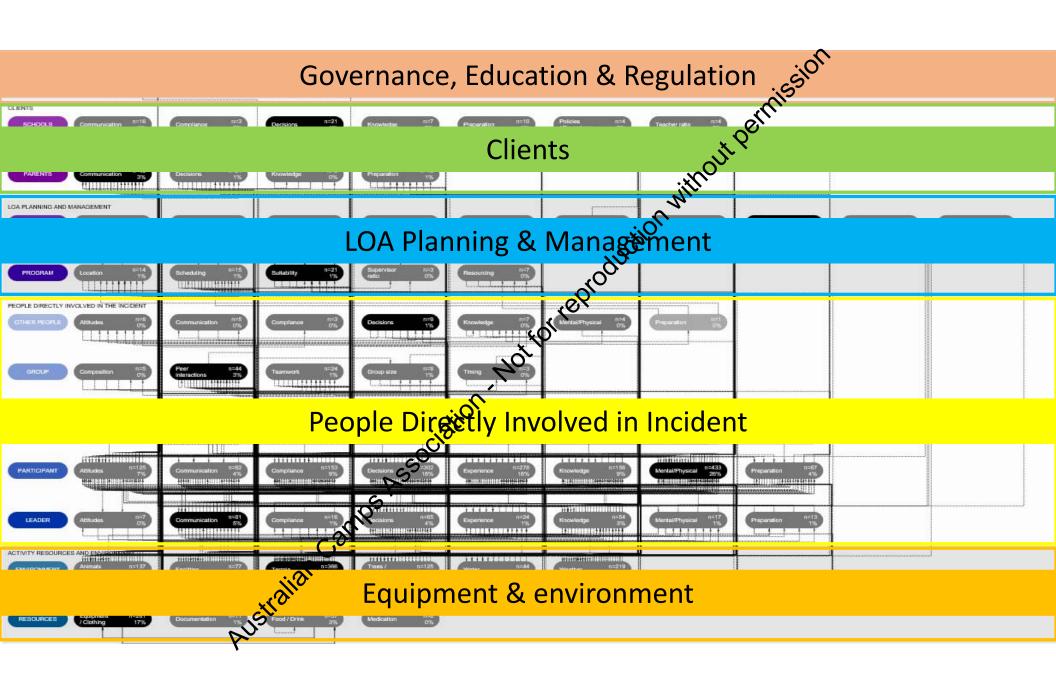












Reports

Campcraft (cooking)

- 'Student wit his finger by pressing down on the knife with index finger while using the whife upside down'
- Contributory factors: equipment; knowledge; experience

Camping (tents)

- 'Student was having an asthma attack in tent, didn't have torch and couldn't locate ventilator'
- Contributory factors: Pre-existing condition; preparation; equipment

Camping (residential)

- 'Student was 'mucking around unsupervised' in dorm and knocked head, resulting in a cut to the head
- Contributory factors: Judgement & Decision making; Supervision; Facilities

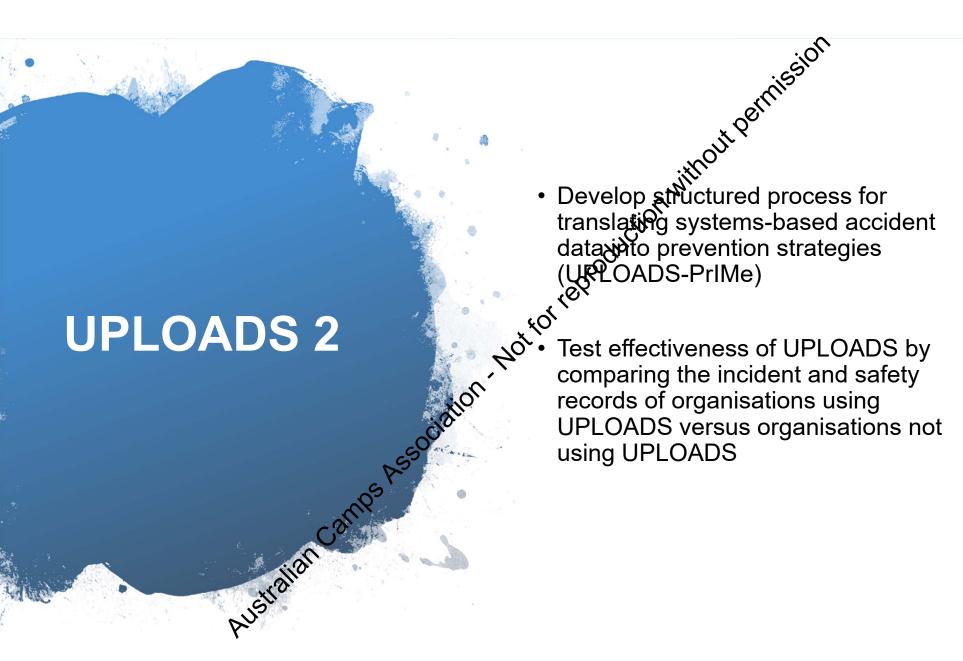
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Prominent Contributory factors

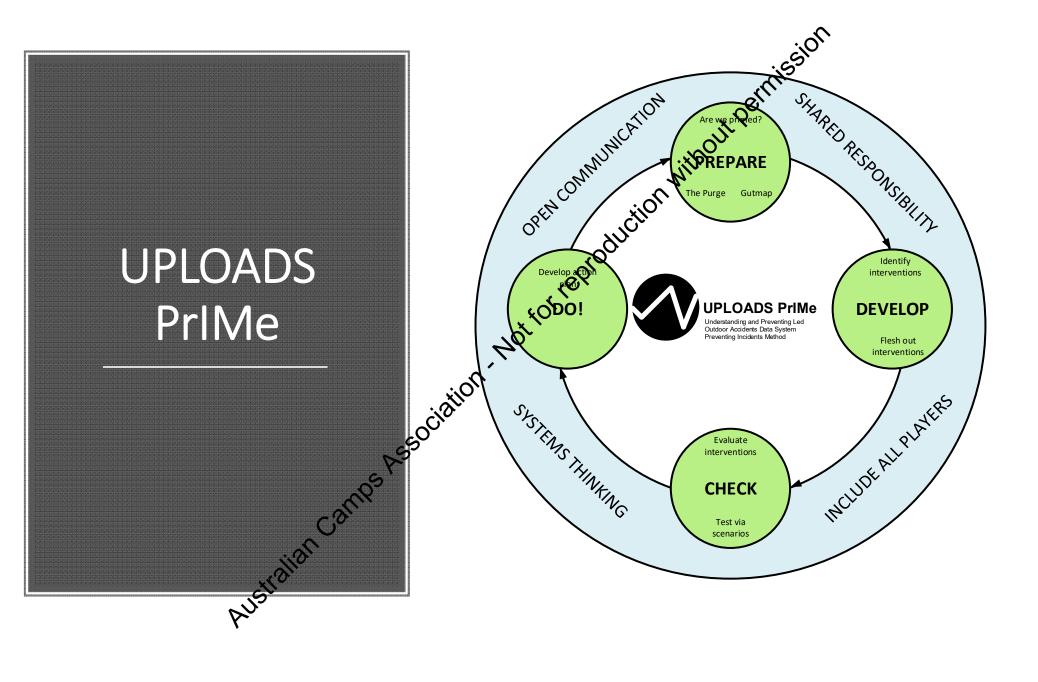
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Level	Prominent Contributory Factor
Governance, Education & Regulation • Local Government	Facilities; Policy Procedures Maintenance of tracks
Clients • Schools • Parents	Decisions Communication Inappropriate programming Withholding information
LOA Planning & ManagementManagementProgram	Policies/Procedures Suitability Running of programmes Types of programs
LOA Planning & Management • Management • Program People Directly Involved in Incident • Other people • Group • Supervisors • Participant • Leader Activity Resources & Environment	Decisions Peer interactions Communication Mental/physical Communication Communication Mental/physical Communication Mental/physical Communication Near misses on the road Messing about Supervision Pre-existing conditions Supervision
Activity Resources & Environment Environment Resources	Terrain Equipment/Clothing Tracks, steep, slippery, uneven Knives and incorrect footwear

Prominent interactions btw Contributiony Factors

	XX
LEVEL	INTERACTION
Governance, Education & Regulation	Facilities >>> Scheduling . Of
Local Government	Facilities >>> Scheduling
	Facilities >>> Scheduling Facilities >>> Trees/vegetation
	Facilities >>> Animal Systems
Clients	
• Schools	Communication >>> Parents preparation
Parents	Commu kica tion >>> Mental/physical
LOA Planning & Management	7
 Management 	Training >>> Decisions
• Program	Suitability >>> Participant: Mental/physical
People Directly Involved in Incident	Sill
Other people	Decisions >>> Attitudes
• Group	Peer interactions >>> Participant: Decisions
• Supervisors	Communication >>> Participant: Decisions
Participant	Experience >>> Terrain
 Program People Directly Involved in Incident Other people Group Supervisors Participant Leader 	Communication >>> Participant: Experience
Activity Resources & Environment • Environment	
• Environment	Terrain >>> Participant: Experience
• Resources	Equipment/Clothing >>> Terrain



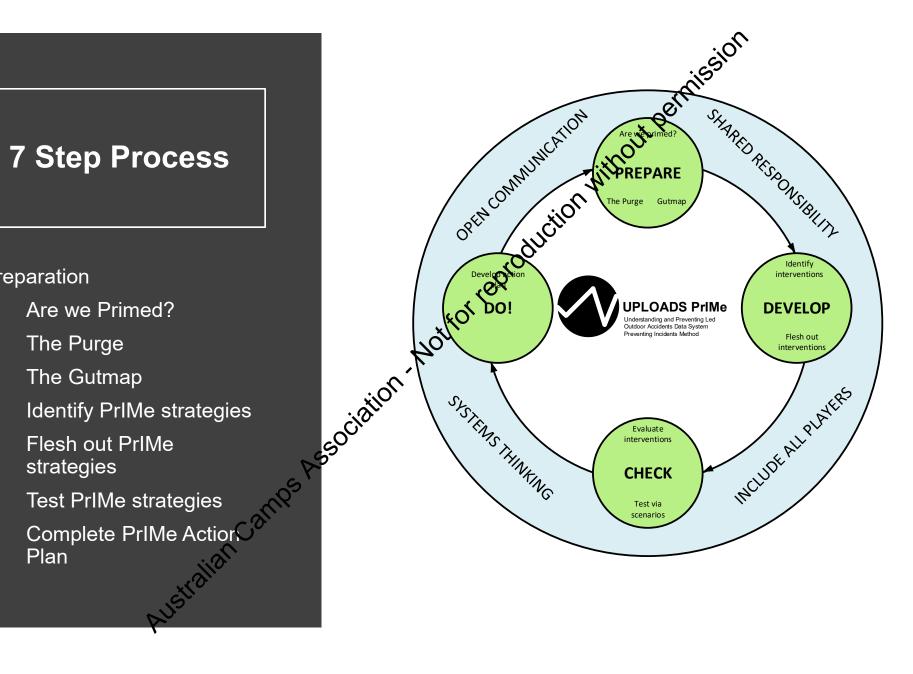
UPLOADS versus organisations not using UPLOADS

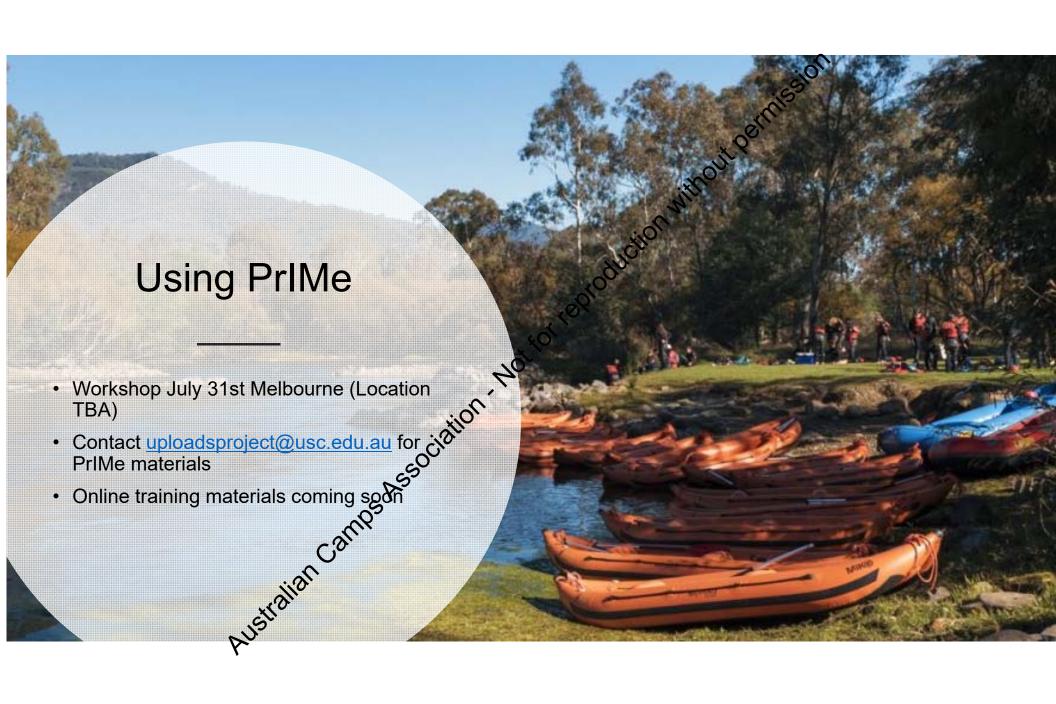


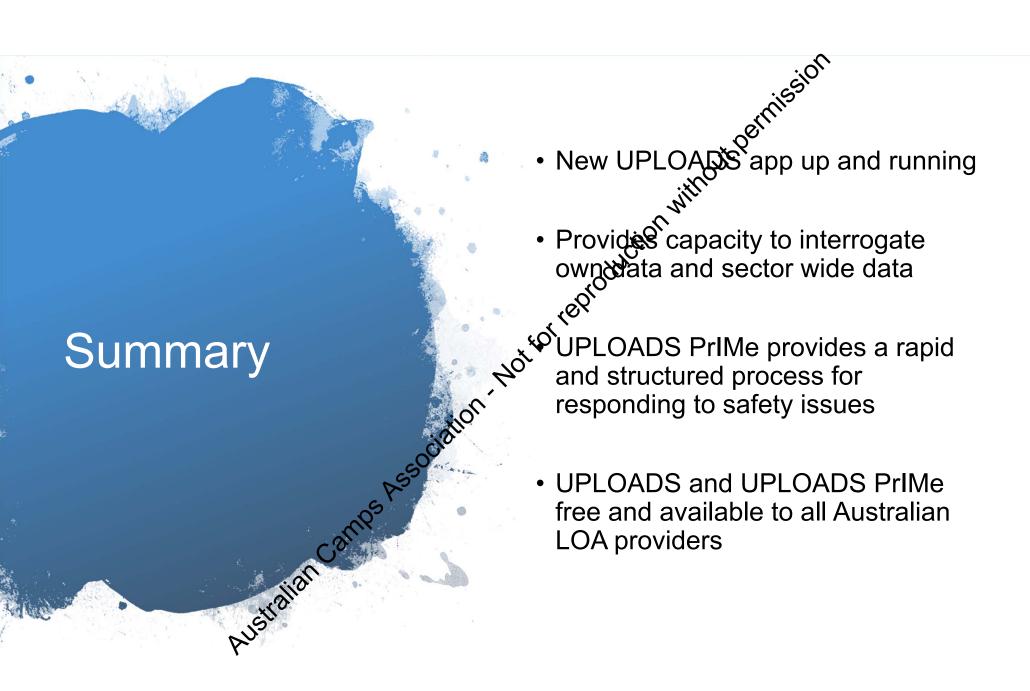
7 Step Process

Preparation

- 2.







Questions?

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