



Cook Islands Injury Surveillance System (CIIS)

Dr Yin Yin May
Dr. Josephine Aumea Herman
INDIGO research team
Injury and disability Council Cook Islands

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Why an Injury Surveillance System

To determine the burden and characteristics of Injury in the Cook Islands

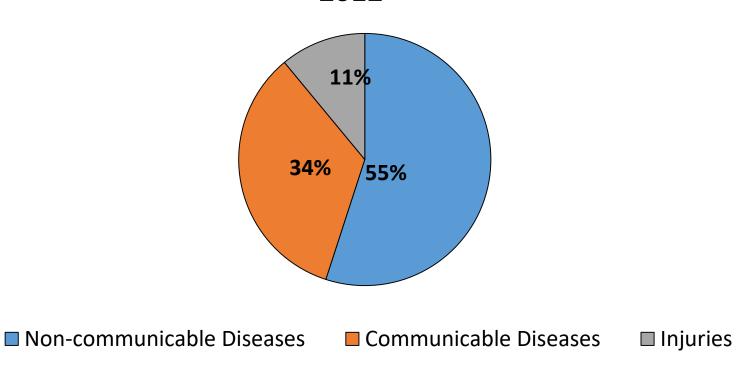
- informs policy, resource prioritisation, service delivery design
- identify targeted interventions
- highlight knowledge gaps
 - health, social, and economic impact of injuries
 - burden of injury-related disability
 - other research priorities
- Cook Islands Road Safety Strategy 2016 -2021





Burden of Injury

All Cause percentage of Global Burden of Disease, 2012



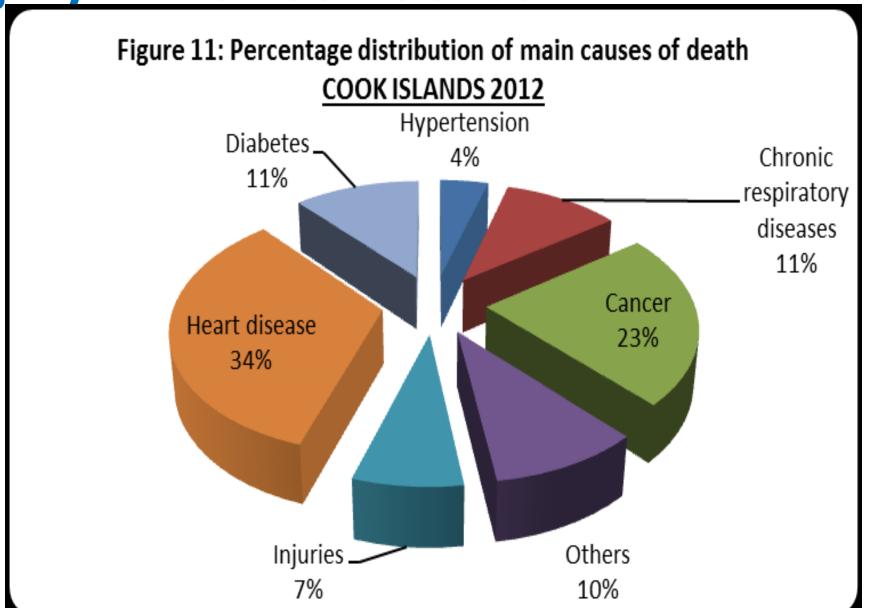
Source: Murray C, et al (2012) DALYs for 291 diseases and injuries in 21 regions 1990-2010, Lancet; Lozano R, et al (2012) Global and regional mortality from 235 causes of death for 20 age groups in 1990 and 2010





Injury in the Cook Islands

Injury in the Cook Islands







Cook Islands Injury Surveillance System

Medtech32 IT platform

- Existing IT system
- Familiar to workforce

Draws from:

- WHO Injury Surveillance Guidelines
- Fiji Injury Surveillance in Hospitals (FISH) system

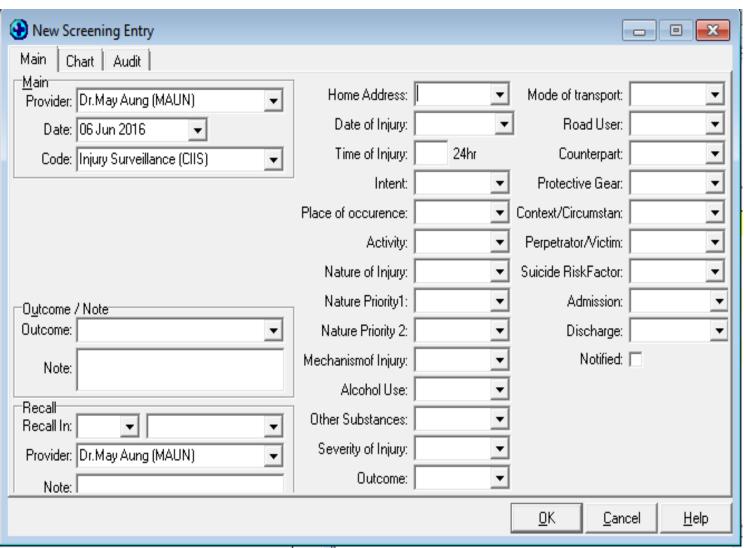
Data quality and dissemination

- Quality assurance system
- Embedded in regular national reporting systems
- Inform research and policy/practice





Cook Islands Injury Surveillance Template



Front page

- Column 1
 - Injury characteristics
- Column 2
 - specific information
 - Road traffic injuries
 - Violence
 - Self harm





THE UNIVERSITY OF AUCKLAND FACULTY OF MEDICAL AND HEALTH SCIENCES

01 Jan 2016 to 21 Aug 2017

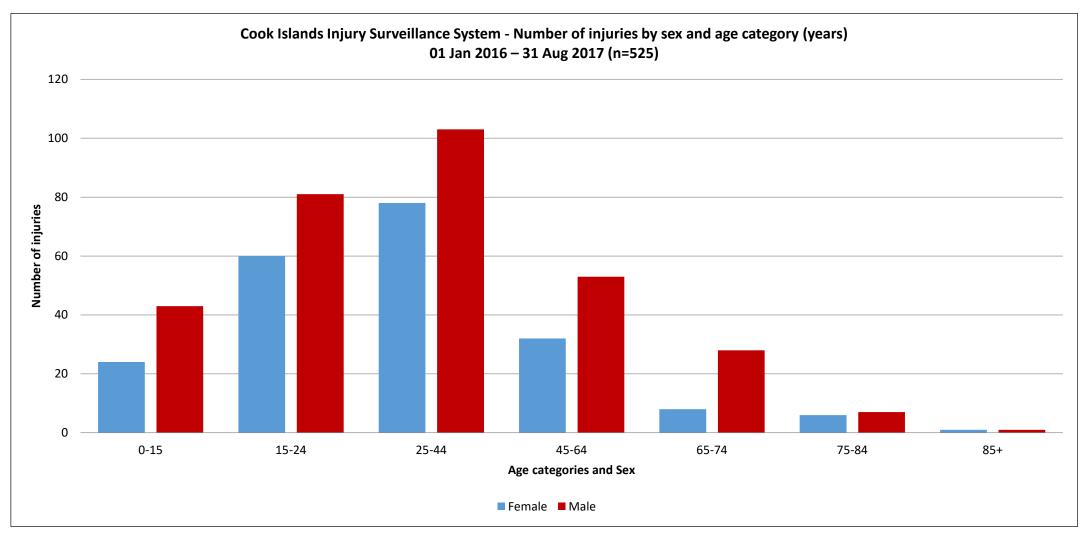
- n= 525
- Males n = 316 (60%)
- Ethnicity:
 - Cook Islands residents n = 360 (69%)
 - Other Pacific n= 41 (8 %)
 - Visitors (NZ, Australia etc) n= 124 (23%)
- Deaths n=2+3
 - Prior to admissions: motorbike, assault
 - Gunshot: 2x homicide/1x self-harm

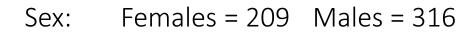


















Mechanism of Injury (excludes 3x gunshot)

Mechanism of Injury	Number	%
Traffic Injuries	197	38
Fall	131	25
Stab/Cut	58	11
Physical Assault	58	11
Sexual Assault	7	1
Fire flames/heat	4	1
Other	70	13
Total 10/10/2017	525	



Road Traffic Injuries n=197 (38%)



1. Mode of Transport

- Motorbikes n=174 (88%) helmets (n=10)
- Cars n=7 (4%)
- Pedestrians n=3 (2%)

2. Associated with alcohol – 29%

- Confirmed n=13 (7%)
- Suspected n=44 (22%)







Severity of Injury (excludes 3x gunshot)

Severity	Number	Severe	Moderate
Traffic Injuries	197	8 (4%)	56 (28%)
Fall	131	4 (3%)	49 (37%)
Stab/Cut	58	2 (3%)	26 (45%)
Physical Assault	58	0	25 (43%)
Sexual Assault	7	1 (14%)	0
Fire flames/heat	4	0	1 (25%)
Other	70	3 (4%)	16 (23%)
Total 10/10/2017	525		11



Summary



- We've started
- Data Quality notable improvement in registering on injury surveillance system, and classification
- Better able to quantify falls, burns, violence in addition to road traffic injuries and self-harm
- Sustainability important, embedding in MoH annual statistical bulletin, and to inform practice.





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Cook Islands

- Arongamana
- Religious Advisory Council
- Government
- Road Safety Steering Committee





Questions?

