## **WEST COAST PROFILE**



### **Fatalities 2011-2015**

#### **General**

- In the West Coast DHB area, there were 5 preventable child fatalities between 2011 2015 (16.3 per 100,000 children).
- 83% were unintentional\*. (\* Unintentional injuries = where there is no intent of harm e.g. transport related injuries, drownings, burns and falls.)

Intent	0-4 Years	5-9 Years	10-14 Years	Total	
Assault	<5	0	0	<5	17%
Unintentional	<5	<5	<5	5	83%
Total	<5	<5	<5	6	100%

• Every year 1 child dies of an unintentional injury.

Registration Year	0-4 Years	5-9 Years	10-14 Years	Total
2011	<5	0	0	<5
2012	0	<5	0	<5
2013	0	0	<5	<5
2014	<5	0	0	<5
Total	<5	<5	<5	5

#### Gender

• 80% of children that died of an unintentional injury are boys.

Gender	0-4 Years	5-9 Years	10-14 Years	Total	
Female	<5	0	0	<5	20%
Male	<5	<5	<5	<5	80%
Total	<5	<5	<5	5	100%

#### Causes

• Motor Vehicle Traffic accounted for the highest number of unintentional injury deaths.

Cause_Major	0-4 Years	5-9 Years	10-14 Years	Total
Drowning	<5	0	0	<5
Motor Vehicle Traffic	0	<5	0	<5
Other Land Transport	0	<5	0	<5
Pedal Cyclist, other	0	0	<5	<5
Suffocation	<5	0	0	<5
Total	<5	<5	<5	5

#### **Ethnicity**

• Number of fatalities by major ethnic group.

Ethnic Group	0-4 Years	5-9 Years	10-14 <b>Years</b>	Total
European	<5	<5	0	<5
Māori	<5	<5	0	<5
Pacific Island	0	0	<5	<5
Total	<5	<5	<5	5



# Hospital Admissions 2013-2017

#### **General**

- In the West Coast DHB area, there were 206 (rate 679.4 per 100,000) child injuries leading to hospital admissions between 2013-2017.
- On average, 41 children were admitted to hospital each year because of an unintentional injury.
- Age group 0-4 and 5-9 years were most frequently injured.
- 88% were unintentional\*. (\*Unintentional injuries = where there is no intent of harm e.g. transport related injuries, drowning, burns and falls.)

Intent	0-4 Years	5-9 Years	10-14 Years		
Assault	0	<5	<5	<5	1%
Other	<5	5	<5	12	5%
Self-inflicted	0	0	12	12	5%
Undetermined	0	0	5	<5	0%
Unintentional	72	73	61	206	88%
Total	76	79	78	233	100%

Discharge Year	0-4 Years	5-9 Years	10-14 Years	Total	<b>Rate</b> (per 100,000)
2013	13	12	13	38	601.3
2014	16	13	13	42	680.7
2015	18	16	9	43	702.6
2016	15	17	18	50	843.2
2017	10	15	8	33	570.9
Total	72	73	61	206	

#### Gender

Gender	0-4 Years	5-9 Years	10-14 Years	Total	% Rate RR (per 100,000)
Female	31	36	23	90	44% 608.5 0.8
Male	41	37	38	116	56% 746.9 1.0
Total	72	73	61	206	100%

#### **Ethnicity**

• Number of hospital admissions by major ethnic group.

Ethnic Group	0-4 Years	5-9 Years	10-14 Years	Total	Ave per/yr	<b>Rate</b> (per 100,000)	RR
Asian	<5	<5	0	<5	0.4	261.4	0.5
European	57	50	49	156	31.2	586.2	1.0
Māori	9	20	11	40	8	761.9	1.3
Other	0	<5	0	<5	0.2	130.7	0.2
Pacific Island	<5	<5	<5	6	1.2	1025.6	1.8
Unknown	<5	0	0	<5	0.2		
Total	72	73	61	203			

#### **Top 5 Leading Causes of Unintentional Injuries by Age**

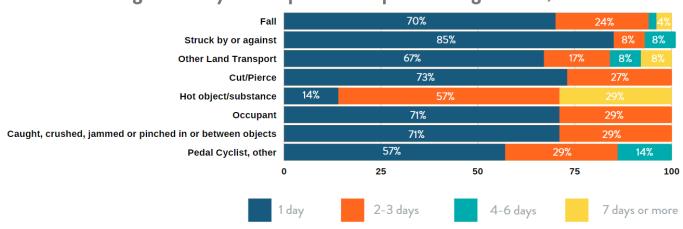
0-4 Years							
Cause	Number	%	Rank				
Fall	25	35%	1				
Struck by or against	7	10%	2				
Hot object/substance	6	8%	3				
Poisoning	6	8%	4				
Caught, crushed, jammed or pinched in or between objects	5	7%	5				

5-9 Years								
Cause	Number	%	Rank					
Fall	45	61%	1					
Cut/Pierce	7	10%	2					
W54 - Contact with dog	3	4%	3					
Struck by or against	3	4%	4					
Other Land Transport	2	3%	5					

10-14 Years								
Cause	Number	%	Rank					
Fall	27	44%	1					
Other Land Transport	9	15%	2					
Occupant	4	7%	3					
Pedal Cyclist, other	4	7%	4					
Struck by or against	3	5%	5					

0-14 Years							
Cause	Number	%	Rank				
Fall	97	47%	1				
Struck by or against	13	6%	2				
Other Land Transport	12	6%	3				
Cut/Pierce	11	5%	4				
Hot object.substance	7	3%	5=				
Occupant	7	3%	5=				
Caught, crushed, jammed or pinched in or between objects	7	3%	5=				
Pedal Cyclist, other	7	3%	5=				

# Length of Stay in Hospital for Top 5 Leading Causes, 0-14 Years



Note: Pedal Cyclist, other - Pedal cycle injuries not involved in a motor vehicle traffic crash.

### **External Cause by Top 3 Leading Injuries Sustained**

Rank	nk Fall		k Fall		Struck by or Other Land Transpor		sport	Cut/Pierce		Hot object/substance		Occupan	t	Caught, crushed, jammed or pinched in or between objects		Pedal Cyclist, other						
1	Fracture of forearm	29%	Intracranial injury	23%	Fracture of forearm	33%	Open wound of ankle, foot and toes	27%	Burn and corrosion of shoulder and upper limb, except wrist	43%	Intracranial injury Superficial injury of head	29%	Fracture at wrist and hand level	71%	Fracture of forearm	29%						
					Fracture of shoulder and upper arm					Superficial injur of abdomen,					Intracranial injury Superficial	14%						
2	Fracture of	25%	Fracture of shoulder and upper arm	15%		wrist, har finge Injury of n fascia and at wrist an	Open wound of wrist, hand and fingers Injury of muscle,	18%	Burn and corrosion of head, face, and neck	200/	lower back, pelvis and external genitals Other and	14%	Open wound of wrist, hand and fingers	14%	injury of head	14%						
2	shoulder and upper arm		Superficial injury of head	Superficial injury 15%			fascia and tendon at wrist and hand level	l	Burn and corrosion of trunk	29%	unspecified injuries of head 	14%	Traumatic amputation of wrist, hand and fingers	14%	Fracture of foot and toe, except ankle	14%						
																			sprain of joints and ligaments at neck level	15%		
3	Intracranial Injury  Fracture of lower leg, including ankle	9%	Fracture of forearm Fracture of femur Other and unspecified injuries of abdomen, lower back, pelvis and external genitals Dislocation and sprain of joints and ligaments of elbow Fracture of skull and facial bones	8% 8% 8% 8%	Fracture of lower leg, including ankle	17%	Open wound of shoulder and upper arm Traumatic amputation of wrist, hand and fingers Open wound of hip and thigh Superficial injury of ankle, foot and toes	9% 9% 9% 9%														
			Fracture of foot and toe, except ankle	8%																		

### **Common Place of Injury All DHB's**

	Areas C	Jutside	nd Bay of	alent <sup>y</sup>	mr <sup>4</sup>	& Coast	es Manukau Hawke	g Barl			ntrai .	Marborough	and .	Canterbury Souther	۴,	iri ,	. د	ر د	Q <sup>2</sup>	ata .	025 <sup>t</sup>	arrui .
	Aveas	Jules Buchle	Bayor	Plant's	Capital	Counti	Hamke	Hutt	Lakes	MidCe	Helson	Marth	South	Souther	Tairant	Taranal	Walkat	Waitar	Waiter	West C	oast Whant	Gran
Home	21%	42%	40%	34%	32%	35%	36%	31%	38%	26%	41%	39%	40%	38%	38%	38%	29%	40%	39%	42%	40%	36%
School, other institutions	7%	17%	16%	17%	19%	16%	15%	20%	17%	13%	15%	14%	19%	14%	13%	14%	13%	17%	16%	16%	13%	16%
Sports & athletics arenas	14%	11%	8%	9%	9%	6%	9%	7%	10%	7%	12%	6%	13%	12%	9%	11%	9%	14%	12%	10%	13%	9%
Street & highway	10%	5%	6%	4%	4%	5%	5%	4%	6%	5%	5%	7%	6%	6%	8%	6%	5%	5%	6%	6%	7%	6%
Farm	1%	0%	2%	1%	0%	0%	2%	1%	2%	2%	2%	2%	2%	3%	1%	3%	2%	4%	1%	1%	4%	1%
Trade & service area	8%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	0%	1%	1%	1%	1%
Residential institution	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Industrial & construction	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other specified place of ?	19%	8%	9%	7%	10%	6%	7%	7%	9%	5%	11%	8%	7%	8%	8%	5%	7%	6%	9%	4%	8%	8%
Unspecified place of ?	21%	14%	18%	28%	25%	30%	25%	29%	17%	40%	14%	24%	12%	18%	21%	22%	34%	14%	16%	19%	15%	24%
Grand Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%