



2 February 2024

Kia ora [REDACTED]

**Your Official Information Act request, reference: GOV-030106**

Thank you for your email of 20 January 2024, asking for the following information under the Official Information Act 1982 (the Act):

*Please can you give me a breakdown of dental injury claims over the last 5 years, by type (avulsion, subluxation etc) and also by age brackets. My research involves discussing avulsion injuries specifically and I would like to know how common these are amongst the other dental injuries, in an NZ setting. Also, if possible, dental injuries by sport or cause (collision, child playing, walking into door, playing rugby, playing soccer etc).*

**The requested information is attached**

When interpreting the data provided, please refer to the 'Notes' tab. For ease of reference, we have flagged avulsion claims in Table 1.

**As this information may be of interest to other members of the public**

ACC has decided to proactively release a copy of this response on ACC's website. All requester data, including your name and contact details, will be removed prior to release. The released response will be made available [www.acc.co.nz/resources/#/category/12](http://www.acc.co.nz/resources/#/category/12).

**If you have any questions about this response, please get in touch**

You can email me at [GovernmentServices@acc.co.nz](mailto:GovernmentServices@acc.co.nz).

Ngā mihi

Christopher Johnston  
**Manager Official Information Act Services**  
Government Engagement

## GOV-030106 Data

### Notes and caveats:

- Claims with accepted cover decision have been included in this dataset.
- Accredited employer claims are excluded.
- Please note that we only include claims where we have dental injury details in EOS as the claim includes a ACC42 Dental Injury form. Some claims which include dental injuries but do not include details of those injuries are excluded.
- Dental injury type is identified according to dental injury details in EOS.
- Age is based on client's age at the time of accident.
- Please note that claims are counted against each relevant injury type in Table 1 as most claims include multiple dental injuries.
- New claims counts the number of claims with accident date in each calendar year. Claims may be lodged any time after the accident occurred.
- The data was extracted on 31 January 2024 and may differ if extracted again at a later date.

Table 1: New claims for dental injuries by calendar year of accident date and injury type.

Injury Type	2019	2020	2021	2022	2023
Concussion	22,713	20,567	20,510	20,502	20,013
Enamel Dentine Fracture	14,823	13,637	13,343	13,340	12,635
Oral soft tissue injury	8,881	7,412	7,437	7,230	7,500
Enamel Fracture	8,261	7,395	7,265	7,333	7,107
Subluxation	5,332	4,917	5,005	4,981	4,781
Complicated Crown Fracture	3,841	3,702	3,525	3,345	3,312
Enamel Infraction	2,835	2,544	2,422	2,400	2,263
Lateral Luxation	2,537	2,322	2,291	2,302	2,256
Unclear or Not Specified	1,387	1,438	1,512	1,588	1,469
Crown Root Fracture	1,482	1,326	1,340	1,349	1,281
Avulsion	1,419	1,269	1,216	1,256	1,340
Jaw injury	1515	1085	1060	1123	1100
Injury of dental prosthesis	1102	924	842	699	699
Root Fracture	882	849	776	751	740
Extrusive Luxation	853	757	694	698	724
Intrusive Luxation	645	602	566	580	639
Grand Total	40,267	36,902	36,663	36,720	35,378

Table 2: New claims for dental injuries by calendar year of accident date and client age.

Age Band	2019	2020	2021	2022	2023
00-04 Years	5,255	5,055	5,001	5,071	4,925
05-09 Years	6,679	5,769	5,839	5,627	5,636
10-14 Years	4,954	4,273	4,232	4,198	3,913
15-19 Years	3,589	3,082	3,024	2,882	2,746
20-24 Years	2,855	2,541	2,416	2,378	2,019
25-29 Years	2,514	2,311	2,183	2,082	1,911
30-34 Years	1,945	1,865	1,992	2,016	1,881
35-39 Years	1,706	1,623	1,741	1,670	1,766
40-44 Years	1,647	1,448	1,456	1,539	1,549
45-49 Years	1,717	1,620	1,562	1,591	1,480
50-54 Years	1,656	1,576	1,556	1,629	1,539
55-59 Years	1,645	1,532	1,455	1,532	1,423
60-64 Years	1,287	1,332	1,358	1,410	1,421
65-69 Years	1,022	1,044	1,044	1,074	1,116
70-74 Years	748	826	809	816	854
75-79 Years	531	502	474	617	614
80-84 Years	304	311	326	370	367
85 Years and over	213	192	195	218	218
Grand Total	40,267	36,902	36,663	36,720	35,378

Table 3: New claims for dental injuries by calendar year of accident date and top 20 most prevalent sports.

Sport	2019	2020	2021	2022	2023
Rugby Union	932	735	712	777	704
Cycling	586	702	617	585	559
Scooter	664	621	598	470	457
Soccer	600	483	476	559	568
Basketball	531	491	528	507	512
Swimming	428	334	339	354	320
Hockey	284	196	196	223	192

Table 6: New claims for dental avulsion injuries by calendar year of accident date and client age.

Age Band	2019	2020	2021	2022	2023
00-04 Years	215	229	232	211	203
05-09 Years	545	474	475	460	573
10-14 Years	122	98	94	94	113
15-19 Years	76	46	56	51	53
20-24 Years	62	41	42	43	45
25-29 Years	50	41	46	40	44
30-34 Years	46	39	34	33	34
35-39 Years	43	50	43	37	41
40-44 Years	67	38	29	39	35
45-49 Years	53	52	39	53	47
50-54 Years	42	36	39	52	32
55-59 Years	30	43	28	45	36
60-64 Years	29	29	28	31	30
65-69 Years	15	17	15	25	23
70-74 Years	7	17	7	15	10
75-79 Years	11	8	5	15	8
80-84 Years	3	5	2	6	8
85 Years and over	3	6	2	6	5
Grand Total	1,419	1,269	1,216	1,256	1,340

Table 7: New claims for dental avulsion injuries by calendar year of accident date and top 10 most prevalent sports.

Sport	2019	2020	2021	2022	2023
Scooter	30	30	30	30	34
Cycling	28	35	30	24	34
Rugby Union	27	16	13	20	23
Soccer	12	11	6	16	16
Skateboarding	12	13	9	11	6
Basketball	6	6	11	10	12
Hockey	10	5	5	7	7
Outdoor Cricket	9	5	5	6	4
Jogging	8	7	3	2	5
Rugby League	8	3	1	5	7

Table 8: New claims for dental avulsion injuries by calendar year of accident date and top 10 most prevalent activity prior.

Activity Prior	2019	2020	2021	2022	2023
Children Playing	176	188	205	206	201
Recreation/Sporting Activity	225	173	156	187	214
Walking, Running	153	156	103	139	132
Driving, Riding	62	71	58	52	64
Fighting	66	47	53	48	42
Ascending / Descending	39	50	27	29	28
Getting On/Off or In/Out of	29	39	36	27	32
Receiving Medical Treatment	27	17	12	18	23
Eating, Drinking	16	15	14	22	20
Employment Tasks NEC	20	17	15	16	14

Table 9: New claims for dental avulsion injuries by calendar year of accident date and top 10 most prevalent accident cause.

Accident Cause	2019	2020	2021	2022	2023
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Skateboarding	223	220	191	156	114
Netball	226	151	186	156	167
Outdoor Cricket	197	173	186	140	123
Surfing	172	150	143	175	151
Mountain Biking	164	130	122	119	80
Jogging	120	107	118	116	123
Touch Rugby	142	118	91	93	101
Martial Arts	111	84	113	100	120
Fitness Training / Gym	116	106	83	92	107
Rugby League	136	97	84	75	97
Dancing	91	92	94	85	76
Boxing	73	72	80	69	84
Tennis	62	59	65	71	64

Table 4: New claims for dental injuries by calendar year of accident date and top 20 most prevalent activity prior.

Activity Prior	2019	2020	2021	2022	2023
Recreation/Sporting Activity	7,064	6,277	6,063	6,040	5,775
Walking, Running	4,939	4,779	4,382	4,497	4,322
Children Playing	3,511	3,471	3,470	3,462	3,119
Eating, Drinking	1,813	1,807	1,676	1,659	1,494
Driving, Riding	1,505	1,450	1,373	1,250	1,097
Ascending / Descending	1,186	1,061	1,002	1,020	995
Getting On/Off or In/Out of	958	915	856	869	826
Fighting	738	679	618	631	539
Employment Tasks NEC	668	616	586	614	558
Using, Operating (not Machine)	521	491	471	509	417
Receiving Medical Treatment	435	451	412	445	428
Liftin/Lowerin/Loadin/Unloadin	271	310	234	287	224
Not Obtainable	91	73	37	109	91
Travelling as Passenger	72	61	59	73	67
Operating Machine	51	67	56	51	47
Adjusting Machine or Work	66	51	48	47	41
Preparing Food or Drink	51	57	47	48	36
Carrying	32	27	20	25	15
Supervising/Testing/Inspection	13	13	9	10	13
Clearing Jam or Blockage	5	6	1	3	4

Table 5: New claims for dental injuries by calendar year of accident date and top 20 most prevalent accident cause.

Accident Cause	2019	2020	2021	2022	2023
Loss Balance/Personal Contrl	10,252	10,142	9,940	9,542	9,034
Collision/Knocked Over by Obj	7,213	6,642	6,606	6,714	6,485
Struck by Person/Animal	3,254	3,257	3,225	3,336	2,972
Tripping or Stumbling	2,927	2,906	2,736	2,773	2,768
Slipping, Skidding on Foot	2,335	2,147	2,182	2,286	2,252
Pushed or Pulled	920	920	900	866	857
Puncture	1,014	929	879	869	749
Struck by Held Tool/Implement	469	625	588	472	414
Medical Treatment	419	454	427	439	427
Folding/Collapse	442	377	439	443	397
Lifting/Carrying/Strain	368	383	324	395	349
Object Coming Loose/Shifting	317	430	362	286	314
Loss of Control of Vehicle	223	231	180	188	142
Loss of Consciousness/Sleep	183	164	152	177	179
Wk Property or Characteristics	176	142	144	140	146

Loss Balance/Personal Contrl	403	414	389	383	394
Collision/Knocked Over by Obj	226	169	210	191	217
Struck by Person/Animal	171	129	122	136	131
Tripping or Stumbling	78	83	73	83	81
Slipping, Skidding on Foot	80	76	69	73	78
Pushed or Pulled	29	45	36	40	35
Medical Treatment	26	21	12	18	23
Puncture	24	14	11	17	11
Struck by Held Tool/Implement	17	13	18	9	14
Loss of Control of Vehicle	15	12	7	15	11

Loss of Hold	72	144	94	105	101
Inadvertent Machine/Veh Mov't	78	88	62	75	57
Lurching/Jerks in Vehicles etc	76	71	66	48	42
Bursting/Breakage/Distortion	72	56	61	58	50
Driving into Hole/Object etc	33	48	32	35	32