



SOCIAL STATISTICS BULLETIN, 2019 - 2020

Tonga Statistics Department, Si' i Ka e Ola Bldg., Nuku'alofa.

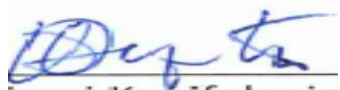
Preface

The 2019 – 2020 Social Statistics Bulletin is the second bulletin to publish by the Tonga Statistics Department in September 2021. The first Social Statistics Bulletin was published in October 2020 (Social Statistics Bulletin 2018 – 2019).

The scope and coverage of this Bulletin covered only the calendar year 2018 – 2019 and presents various Social Statistics only. Some sections in the contents are not updated due to the availability of data and other reasons but published as a provisional result. The Social Statistics Bulletin will be updated and revised some of the sections.

Special thanks to various Government Ministries, Statutory Boards and number of other organizations. Data from all such sources have been acknowledged under the references. Also, sincere thanks to the staff of Population & Social Statistics Division of Tonga Statistics Department for team work and support each other to finally come up with the final report of the Social Statistical Bulletin 2019-2020.

The Department would welcome any comments or suggestions towards improvement of the contents, coverage and quality of Statistics published in this issue of the Bulletin. If you have an important social data or social indicator, please feel free to send it and include in the next Social Statistics Bulletin for the statistical needs of the country as a whole.



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(Government Statistician)



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Section 1. MIGRATION

1.1 Total Arrivals and Departures for 2019 to 2020

Table 1: International Arrivals and Departures for 2019 to 2020

	2019	2020
Total Arrival	136,059	25,382
Air arrival	109,371	22,846
Yacht Arrival	2,021	6
Ship Arrival	24,667	2,530
% Change	5.7	-81.3
Total Departures	139,527	29,306
Air	112,714	26,769
Yacht	2,064	8
Ship	24,749	2,529
% Change	5.6	-79.0
Net Migration	-3,468	-3,924

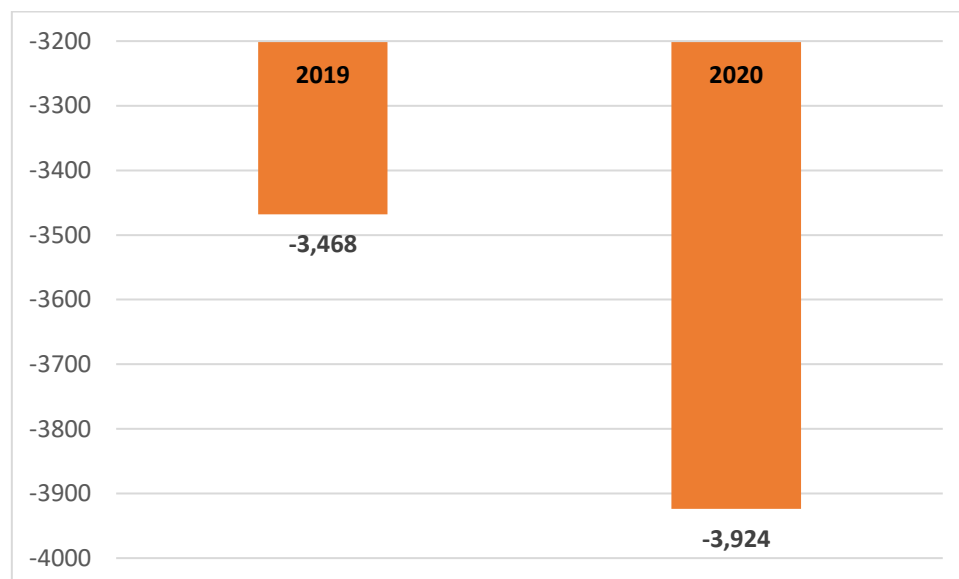


Figure 1: Net migration, 2019-2020

1.2. Total air arrivals by country of residence, 2019 -2020

Table 2: Total air arrivals by country of residence, 2019 -2020

Country	2019	2020
Total	109,371	22,846
Australia	12,727	1,707
New Zealand	31,966	4,471
Fiji	2,089	348
American Samoa	109	29
Western Samoa	367	24
Tonga	42,087	13,836
Other Pacific Islands	777	82
Japan	982	168
China	1,814	175
India	123	11
Korea	157	29
Other Asian Countries	946	137
UK	1,009	128
Germany	826	85
France	442	37
Italy	202	14
Other European Countries	1,798	183
All African Countries	87	34
United States of America	10,329	1,276
Canada	337	38
Other American Countries	197	33

1.2 International air and yacht arrivals by type of passenger, 2019-2020

Table 3: International air and yacht arrivals by type of passenger, 2019 - 2020

Type of Passenger	2019	2020
Total	111,392	22,852
Total % Change	4	-79
Returning Residence Air & Yacht Arrivals	42,087	13,836
% Change	25	-67
Visitors, Air & yacht Arrivals	69,305	9,016
% Change	25	-87
Main reason of visit for visitors		
Total	67,284	9010
Holiday/Vacation	28,150	2,366
Visiting Friends/Relative	25,470	4,503
Business/Conference	3,802	401
Other Reasons	5,376	1,175
Not Stated	4,486	564

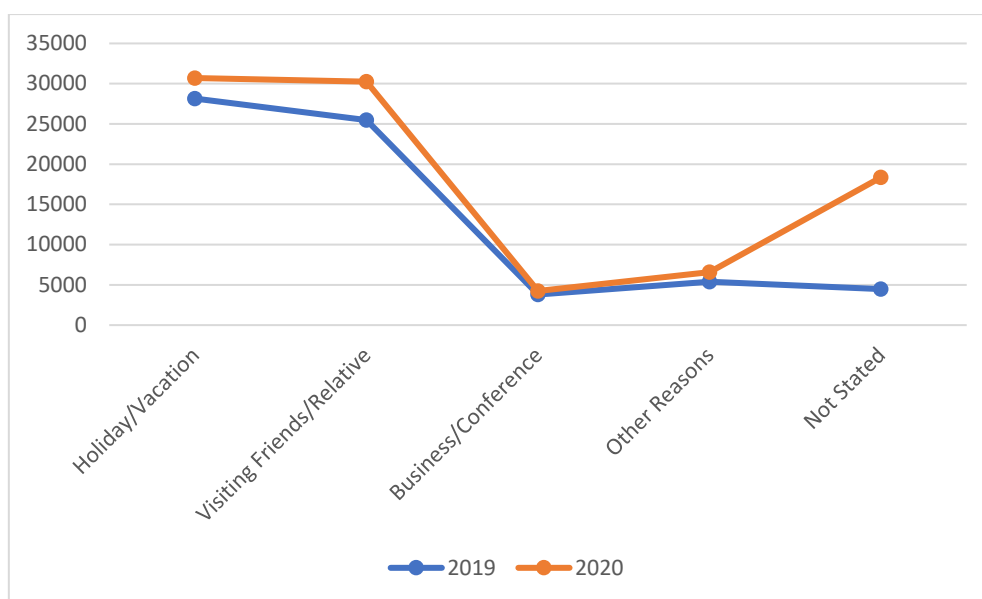


Figure 2: Purpose of visit for air visitors, 2018 – 2019

1.3 Total air arrivals by country of residence

Table 3: Total air arrivals by country of residence

Country	2019	2020
Total	109,371	22,846
Australia	12,727	1,707
New Zealand	31,966	4,471
Fiji	2,089	348
American Samoa	109	29
Western Samoa	367	24
Tonga	42,087	13,836
Other Pacific Islands	777	82
Japan	982	168
China	1,814	175
India	123	11
Korea	157	29
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Italy	202	14
Other European Countries	1,798	183
All African Countries	87	34
United States of America	10,329	1,276
Canada	337	38
Other American Countries	197	33

1.4 Total air arrivals by age group, 2019 – 2020

Table 4: Total air arrivals by age group, 2019 – 2020

Age Group	2019	2020
Total	109,371	22,846
0-4	4,018	831
5-9	3,998	1,180
10-14	4,139	1,420
15-19	5,838	2,025
20-24	8,932	2,064
25-29	10,155	1,983
30-34	9,957	1,707
35-39	9,076	1,748
40-44	8,764	1,575
45-49	9,460	1,694
50-54	10,311	1,944
55-59	8,389	1,541
60-64	6,353	1,158
65-69	4,648	895
70-74	2,988	574
75+	2,345	507

1.5 International departures by transport mode, 2019 – 2020

Table 5: International departures by transport mode, 2019 – 2020

Transport Mode	2019	2020	
Total	139,527	29,306	
Air	112,714	26,769	
Cruise Ship	24,749	2,529	
Yacht	2,064	8	

1.6 Air departures by age-group, 2019 – 2020

Table 6: Air departures by age-group, 2019 – 2020

Age group	2019	2020
Total	112,714	26,769
0-4	4,199	991
5-9	4,308	1,362
10-14	4,509	1,364
15-19	6,484	1,844
20-24	9,488	2,583
25-29	10,388	2,508
30-34	10,138	2,220
35-39	9,262	2,181
40-44	8,889	1,867
45-49	9,532	2,027
50-54	10,400	2,260
55-59	8,507	1,761
60-64	6,439	1,373
65-69	4,814	1,072
70-74	3,038	729
75+	2,319	627

1.7 Monthly arrivals by air and yacht, 2019

Table 7: Monthly arrivals by air and yacht, 2019

	Visitors Arrivals			Returning Residents	Total Arrival		
Monthly	Air	Yacht	Total	Air	Air	Yacht	Total
Total	67,284	2,021	69,305	42,087	109,371	2,021	111,392
January	4,372	3	4,375	5,352	9,724	3	9,727
February	2,709	0	2,709	2,719	5,428	0	5,428
March	3,109	7	3,116	2,846	5,955	7	5,962
April	4,183	13	4,196	3,091	7,274	13	7,287
May	5,166	128	5,294	4,132	9,298	128	9,426
June	6,647	489	7,136	3,505	10,152	489	10,641
July	8,121	194	8,315	3,092	11,213	194	11,407
August	7,890	288	8,178	3,302	11,192	288	11,480
September	6,811	382	7,193	3,418	10,229	382	10,611
October	5,649	428	6,077	3,782	9,431	428	9,859
November	4,938	72	5,010	3,595	8,533	72	8,605
December	7,689	17	7,706	3,253	10,942	17	10,959

1.8 Monthly arrivals by air and yacht, 2020

Table 8: Monthly arrivals by air and yacht, 2020

Arrivals	Visitors Arrivals			Returning Residents	Total Arrival		
Monthly	Air	Yacht	Total	Air	Air	Yacht	Total
Total	9,010	-	9,010	13,836	22,846	-	22,852
January	4,665	-	4,665	7,087	11,752	8	11,760
February	3,008	6	3,014	3,328	6,336	-	6,336
March	1,259	-	1,259	2,219	3,478	-	3,478
April	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-
July	1	-	1	56	57	-	57
August	5	-	5	145	150	-	150
September	16	-	16	84	100	-	100
October	13	-	13	379	392	-	392
November	20	-	20	275	295	-	295
December	23	-	23	263	286	-	286

1.9 Monthly departures by air and yacht, 2020

Table 9: Monthly departures by air and yacht, 2020

	Departures		
Monthly	Air	Yacht	Total
Total	26,769	8	26,777
January	14,576	8	14,584
February	6,680	-	6,680
March	3,778	-	3,778
April	579	-	579
May	93	-	93
June	62	-	62
July	96	-	96
August	130	-	130
September	100	-	100
October	218	-	218
November	196	-	196
December	261	-	261

SECTION 2: ENERGY

2.1 Growth of Electric Power Services in the Kingdom by Island Division

Table 10: Growth of Electric Power Services in the Kingdom by Island Division

Division	Electricity production		Electricity consumption	
	2018/19	2019/20	2018/19	2019/20
Tongatapu	59,020,507	61,082,911	59,020,507	61,082,911
Vava'u	6,366,014	6,583,353	6,366,014	6,583,353
Ha'apai	1,798,600	1,826,713	1,798,600	1,826,713
'Eua	1,555,629	1,615,176	1,555,629	1,615,176
TOTAL	68,740,750	71,108,153	68,740,750	71,108,153

Source: Tonga Power Limited

2.2 Imports of energy and fuel items, 2019 – 2020

Table 11: Imports of energy and fuel items, 2019 – 2020

Commodity	2019			2020		
	Quantity	Unit	Value (\$)	Quantity	Unit	Value (\$)
Oils and products of the distillation of high manufactured from coal				2	kg	16
Peat; (Including peat litter), whether or not Agglomerated				37	kg	625
Gases; coal, water producer and similar gases (excluding petroleum and other gaseous hydrocarbons)	1,212	kg	104			
Oils and products of the distillation of high temperature coal tar, benzol (benzene)	6,087	kg	143			
Oils and products of the distillation of high temperature coal tar; toluol (toluene)				1		165
Oils and other products of the distillation of high temperature coal tar; n.e.c. in heading no. 2707	11	..	3,432	2		255
Oils; petroleum oils and oils obtained from bituminous mineral, crude	1,160	lt	5,056	4,021	lt	6,673
Aviation spirit, Light oils and preparation (Gasoline and other motor spirits and light oils)	33,332,859	lt	54,302,946	4,896,390	lt	6,902,460
other unleaded	4,818,710	lt	8,617,352	19,190,479	lt	25,948,930
Distillate fuel	8,401,913	lt	13,803,397	28,151,051	lt	36,677,239
Residual fuel	19	lt	407	200	lt	530

2.2 Imports of energy and fuel items, 2019 – 2020

Table 12 (cont'd): Imports of energy and fuel items, 2019 – 2020

Commodity	2019			2020		
	Quantity	Unit	Value (\$)	Quantity	Unit	Value (\$)
Other distillate fuel and Residual fuel	-	-	-	264,484	lt	895,523
Other Petroleum and oils from bituminous minerals, not containing biodiesel, not crude not waste oils; preparations n.e.c. containing by weight 70% or more oils	4,306,930	lt	7,167,198	-	-	-
Other light oil				152	lt	632
Aviation gasoline	1,382	lt	8,657			
Jet fuel and aviation kerosene	69,325	lt	149,800	286,643	lt	598,058
Other kerosene and white spirit	382	lt	688	-	-	-
Distillate fuel	2,322,553	lt	3,690,073	-	-	-
Residual fuel oil	2,322,553	lt	3,690,073	678	lt	7,639
Other motor spirits	25,136	lt	137,493	-	-	-
Other light oil	143,879	lt	588,642	152	lt	632
Kerosene	728	lt	5,222	-	-	-
other jet fuel	70,015	lt	124,412	-	-	-
Other residual fuel oil				303,948	lt	1,437,264
other motor spirit	109,622	lt	552,413	-	-	-
Petroleum oils and oils from bituminous minerals, containing biodiesel, not crude , not waste oil; preparations n.e.c. containing by weight 70% or more of petroleum oils or oils from bituminous	39,161	lt	589,338	14,641	lt	77,849
Waste oils; of petroleum minerals, not crude and preparations n.e.c. weight 70% or preparations of the same, not containing polychlorinated biphenyls (PCBs).	24,895	lt	101,506	27,611	lt	115,710
Petroleum gases and other gaseous hydrocarbons; liquefied, propane	3	kg	827	-	-	-

2.2 Imports of energy and fuel items, 2019 – 2020

Table 12(cont'd): Imports of energy and fuel items, 2019 – 2020

Commodity	2019			2020		
	Quantity	Unit	Value (\$)	Quantity	Unit	Value (\$)
Petroleum gases and other gaseous hydrocarbons; liquefied, butanes	38	kg	1,173	3	kg	94
Petroleum gases and other gaseous hydrocarbons; liquefied, n. e. c. in heading no. 2711	-	-	-	11	kg	589
Petroleum gases and other gaseous hydrocarbons; in gaseous state, natural gas	-	-	-	3	kg	635
Petroleum gases and other gaseous hydrocarbons; in gaseous state, other than natural gas	2,115,675	kg	4,832,622	2,323,419	kg	5,404,795
Petroleum jelly	983	kg	4,484	1,100	kg	14,802
Paraffin wax, containing by weight 0.75% or more of oil, obtained by synthesis or by other process, whether or not coloured	35	kg	300	389	kg	3,335
Petroleum bitumen, obtained from bituminous mineral	-	-	-	144	kg	43,326
Bituminous or oil shale and tar sands	176,565	kg	579,217	66,978	kg	137,880
Bitumen and asphalt, natural; asphaltites and asphaltic rock	64,572	kg	335,578	28,700	kg	137,625
Bituminous mixtures based on natural bitumen, on petroleum bitumen, on mineral tar or on mineral tar pitch (egg bituminous mastics, cut-backs)	23	kg	344	1	kg	4,278
Electrical energy (optional heading)	20	kg	344	-	-	-

Source: Ministry of Inland Revenue and Customs

SECTION 3: CRIME STATISTICS

3.1 Type of offences reported to police department, 2019 -2020

Table 12: Type of offences reported to police department, 2019 -2020

Type of Offences	2019	2020
1. Criminal Offences	2,214	1,924
1.1 Against the State	32	43
1.2 Against Justice	10	3
1.3 Against the Person	732	573
1.4 Against Property	1,180	1,038
1.5 Against Wilful Damage	252	262
1.6 Miscellaneous	8	5
2. Traffic Offences	10,232	9,099
3. Other Offences	2,433	3,901
3.1 Order in Public Places	1,588	1,676
3.2 Manufacturing of Intoxicating liquor	56	33
3.3 Arms & Ammunitions	107	42
3.4 Others	682	2,150
4. Total offences	14,879	14,924

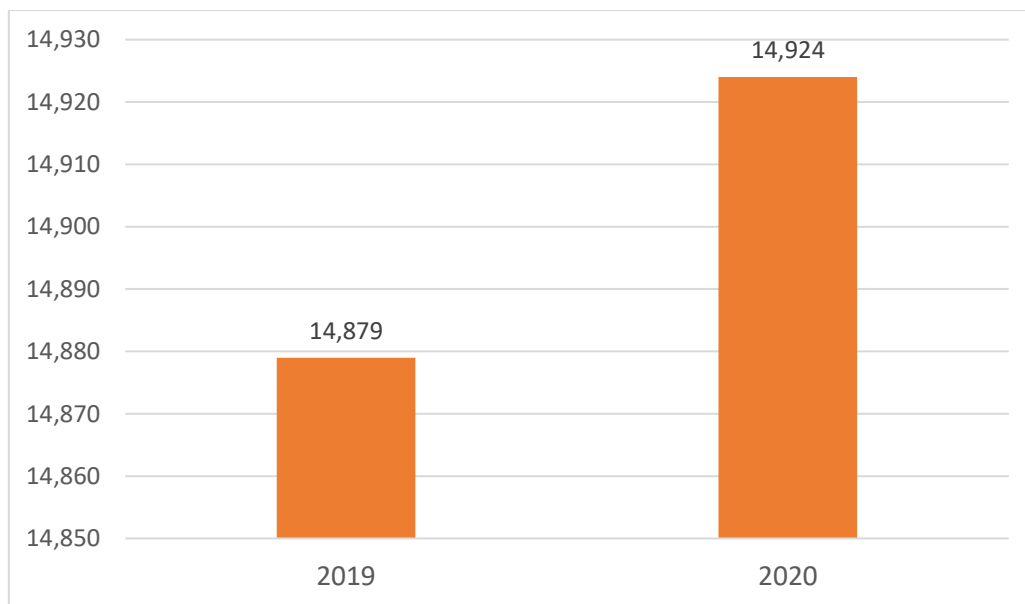


Figure 3: Total offences reported 2019-2020

3.2 Type of Offences by Category, 2019-2020

Table 13: Type of Offences by Category, 2019-2020

	2019	2020
Criminal offences		
1. Total criminal cases reported	2,214	1,924
2. Rejected	857	387
3. True cases	1,357	1,537
3.1 Convicted	632	326
3.2 Acquitted	17	16
3.3 Undetected	200	88
3.4 Under Investigation	447	1,107
3.5 Pending Trial	61	-
Traffic offences		
1. Total traffic cases reported	10,232	9,099
2.1. Rejected	133	70
3. True cases	10,099	9,029
3.1 Convicted	1,433	749
3.2 Acquitted	4	4
3.3 Undetected	3	-
3.4 Under Investigation	3,015	311
3.5 Pending Trial	5,644	7,965
Other offences		
1. Total other cases reported	<u>2,433</u>	<u>3,901</u>
2. Rejected	286	283
3. True Cases	<u>2,147</u>	<u>3,618</u>
3.1 Convicted	1,125	1,275
3.2 Acquitted	15	29
3.3 Undetected	2	2
3.4 Under Investigation	606	813
3.5 Pending Trial	399	1,499
4. Total offences	14,879	14,924

3.3 Analysis of Cases by Division, 2019

Table 14: Analysis of Cases by Division, 2019

Type of Offences	Tongatapu	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Criminal Offences						
Offences reported	1,899	174	52	88	1	2,214
Rejected	783	47	22	5	-	857
True cases	1,116	127	30	83	1	1,357
Convicted	549	48	12	23	-	632
Acquitted	11	3	1	2	-	17
Undetected	171	26	3	-	-	200
Under Investigation	324	50	14	58	1	447
Pending Trial	61	-	-	-	-	61
Traffic Offences						
Offences reported	8,853	1,306	25	48	0	10,232
Rejected	105	2	-	-	-	107
True cases	8,748	1,304	25	48	0	10,125
Convicted	939	418	3	5	-	1,365
Acquitted	2	2	-	-	-	4
Undetected	3	-	-	-	-	3
Under Investigation	1,940	17	2	2	-	1,961
Pending Trial	5,864	867	20	41	-	6,792
Other Acts						
Offences reported	1,850	489	35	59	0	2,433
Rejected	249	14	15	8	-	286
True cases	1,601	475	20	51	0	2,147
Convicted	834	243	12	36	-	1,125
Acquitted	10	2	3	-	-	15
Undetected	1	1	-	-	-	2
Under Investigation	503	93	4	6	-	606
Pending Trial	253	136	1	9	-	399
TOTAL CASES						
Offences reported	12,602	1,969	112	195	1	14,879
Rejected	1,137	63	37	13	0	1,250
True cases	11,465	1,906	75	182	1	13,629
Convicted	2,322	709	27	64	0	3,122
Acquitted	23	7	4	2	0	36
Undetected	175	27	3	0	0	205
Under Investigation	2,767	160	20	66	1	3,014
Pending Trial	6,178	1,003	21	50	0	7,252

3.4 Analysis of Cases by Division, 2020

Table 15: Analysis of Cases by Division, 2020

	2,020					
	Tongatapu	Vava'u	Ha'apai	'Eua	Niua	Total
Criminal Offences						
Offences reported	1,590	185	84	64	1	1,924
Rejected	321	55	10	1	0	387
True cases	1,269	130	74	63	1	1,537
Convicted	283	21	8	14	0	326
Acquitted	8	6	0	2	0	16
Undetected	62	26	0	0	0	88
Under Investigation	916	77	66	47	1	1,106
Pending Trial	0	0	0	0	0	0
Traffic Offences						
Offences reported	7,529	1,375	108	87	0	9,099
Rejected	64	6	0	0	0	70
True cases	7,465	1,369	108	87	0	9,029
Convicted	474	261	10	4	0	749
Acquitted	4	0	0	0	0	4
Undetected	0	0	0	0	0	0
Under Investigation	259	40	5	7	0	311
Pending Trial	6,728	1,068	93	76	0	7,965
Other Acts						
Offences reported	2,850	638	219	176	18	3,901
Rejected	210	16	51	6	0	283
True cases	2,640	622	168	170	18	3,618
Convicted	941	182	66	86	0	1,275
Acquitted	21	6	1	1	0	29
Undetected	1	1	0	0	0	2
Under Investigation	650	98	41	16	8	813
Pending Trial	1,027	335	60	67	10	1,499
Total cases						
Offences reported	11,969	2,198	411	327	19	14,924
Rejected	595	77	61	7	0	740
True cases	11,374	2,121	350	320	19	14,184
Convicted	1,698	464	84	104	0	2,350
Acquitted	33	12	1	3	0	49
Undetected	63	27	0	0	0	90
Under Investigation	1,825	215	112	70	9	2,231
Pending Trial	7,755	1,403	153	143	10	9,464

3.5 Traffic accident & drivers involved in accident by sex

Table 16: Traffic accident & drivers involved in accident by sex

Year	2019	2020
Total	510	517
Fatal driver	3	5
Fatal passengers	-	2
Fatal pedestrian	-	1
Seriously injured	7	6
Slightly injured	41	24
Accident involving drivers	459	479
Drivers involved in accident by sex		
Sex	510	517
Male	72	359
Female	374	92
Unknown	64	66

3.6 Age Group of Traffic Offenders

Table 17: Age Group of Traffic Offenders

Age group	2019	2020
Total	510	269
15-17	9	5
18-29	150	95
30-39	93	63
40-49	43	37
50-59	40	30
60-69	14	13
70+	5	5
Not known	156	21

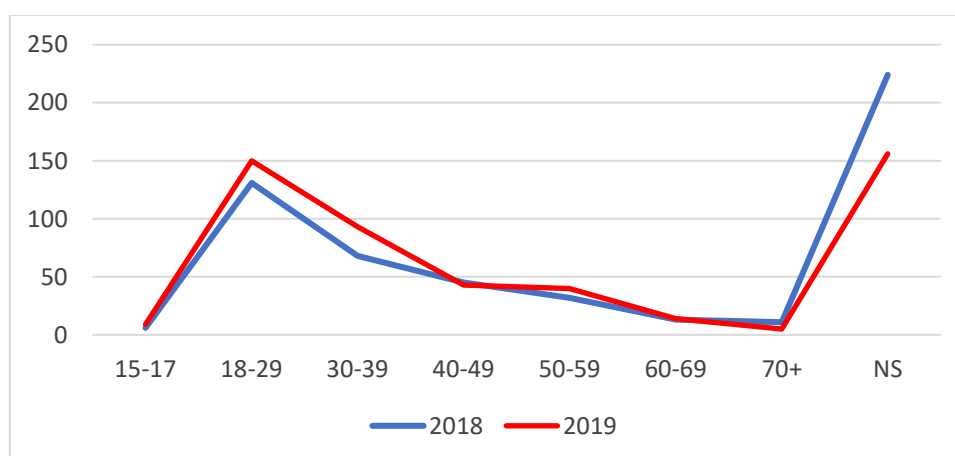


Figure 4: Age group of traffic offenders, 2018-2019

3.7 Domestic violence

Table 18: Age group of traffic offenders, 2018-2019

Years	2019	2020
Women	82	154
Children	31	8
Men	8	19
		27
Totals	121	208
Couples	135	105
Kingdom of Tonga	256	313

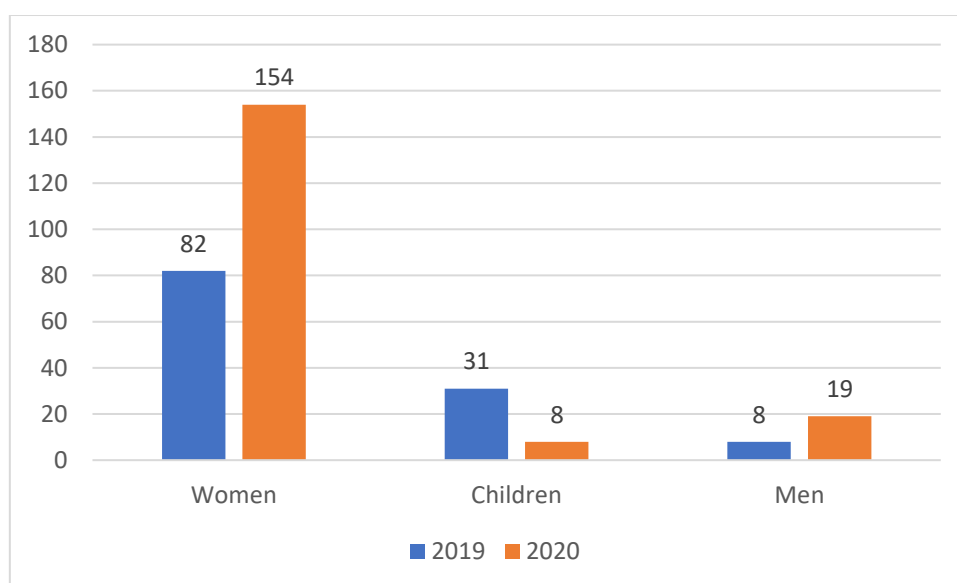


Figure 5: Domestic violence against women, children and men, 2019-2020

3.8 Crime changes and rates for 2019 – 2020

Table 19: Crime changes and rates for 2019 – 2020

Crime changes	Interval	
	2019	2020
<u>Changes</u>		
<i>Average annual growth</i>		
<i>(numbers)</i>	-1763	45
<i>(Percentage)</i>	-10.6%	0.3%
<u>Crime rate for 2019 and 2020</u>		
Total crime (in numbers)	14,879	14,924
Total population (2011, Estimated Population)	102,665	102,430
<i>Crime rate ((per hundred thousand (0/000000))</i>	14,493	14,570

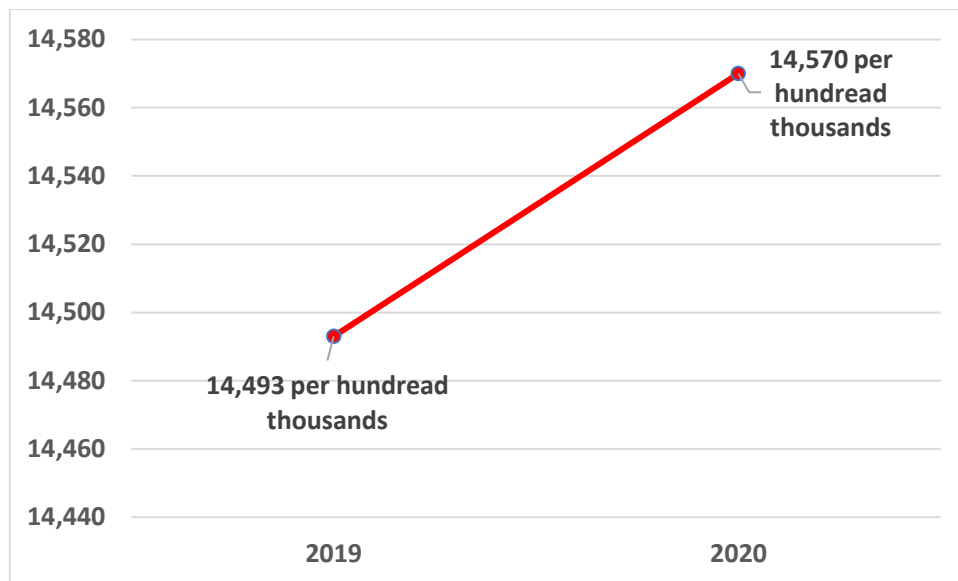


Figure 6: Crime rate for 2019 and 2020

SECTION 4: RAINFALL AND TEMPERATURE

4.1 Monthly rainfall and temperature for Nuku'alofa, 2019

Table 20: Monthly rainfall and temperature for Nuku'alofa, 2019

Month/Rainfall/Temperature	Sarc	Maximum air temperature	Minimum air temperature	Total rainfall
Month		°C	°C	mm
January	Calc	29.8	23.8	203.9
February	Calc	30.8	23.9	209.6
March	Calc	29.7	23.4	451.1
April	Calc	28.9	23.6	247.5
May	Calc	27.5	20.6	170.0
June	Calc	27.2	20.2	82.0
July	Calc	26.8	20.0	293.5
August	Calc	26.6	19.9	56.5
September	Calc	26.9	19.4	177.0
October	Calc	27.8	21.2	127.0
November	Calc	28.3	20.2	68.5
December	Calc	30.5	23.6	228.5
Average annual total	Calc	28.4	21.7	192.9

4.2 Monthly rainfall and temperature for Fua'amotu 2019

Table 21: Monthly rainfall and temperature for Fua'amotu 2019

Month/Rainfall/Temperature	Sarc	Maximum air temperature	Minimum air temperature	Total rainfall
Month		°C	°C	mm
January	Calc	29.6	23.8	229.3
February	Calc	30.3	24.0	162.4
March	Calc	29.3	23.4	358.2
April	Calc	28.7	22.8	170.2
May	Calc	26.7	21.1	175.9
June	Calc	26.3	20.0	106.3
July	Calc	25.5	19.7	329.2
August	Calc	25.6	19.8	62.8
September	Calc	25.7	19.6	183.3
October	Calc	26.9	20.7	146.9
November	Calc	27.3	20.6	72.2
December	Calc	29.2	23.2	245.7
Average annual total	Calc	27.6	21.6	186.9

4.3 Monthly rainfall and temperature for Vava'u 2019

Table 22: Monthly rainfall and temperature for Vava'u 2019

Month/Rainfall/Temperature	Sarc	Maximum air temperature	Minimum air temperature	Total rainfall
Month		°C	°C	mm
January	Calc	29.1	23.1	800.2
February	Calc	29.7	23.3	526.2
March	Calc	29.4	22.3	316.2
April	Calc	29.3	23.3	277.8
May	Calc	27.3	21.9	147.1
June	Calc	26.8	20.7	111.5
July	Calc	26.4	21.1	300.6
August	Calc	27.0	21.8	109.7
September	Calc	26.4	19.7	71.9
October	Calc	27.4	21.7	187.0
November	Calc	27.7	18.9	79.1
December	Calc	29.4	23.0	158.2
Average annual total	Calc	28.0	21.7	257.1

4.4 Monthly rainfall and temperature for Ha'apai 2019

Table 23: Monthly rainfall and temperature for Ha'apai 2019

Month/Rainfall/Temperature	Sarc	Maximum air temperature	Minimum air temperature	Total rainfall
Month		°C	°C	mm
January	Calc	28.9	24.6	461.2
February	Calc	30.0	24.9	524.0
March	Calc	29.3	24.4	170.8
April	Calc	28.8	24.6	148.9
May	Calc	26.8	23.4	117.7
June	Calc	26.5	21.9	91.6
July	Calc	26.0	22.4	254.8
August	Calc	26.2	22.4	57.1
September	Calc	26.1	21.8	133.8
October	Calc	27.4	23.1	38.0
November	Calc	27.4	22.3	56.9
December	Calc	29.3	24.2	158.6
Average annual total	Calc	27.7	23.3	184.5

4.5 Monthly rainfall and temperature for 'Eua 2019

Table 24: Monthly rainfall and temperature for 'Eua 2019

Month/Rainfall/Temperature	Sarc	Maximum air temperature	Minimum air temperature	Total rainfall
Month		°C	°C	mm
January	Calc	29.0	22.8	243.0
February	Calc	28.6	22.9	269.0
March	Calc	28.5	22.5	353.6
April	Calc	27.2	22.4	193.5
May	Calc	25.3	20.0	174.5
June	Calc	24.8	19.1	94.5
July	Calc	24.1	19.1	429.5
August	Calc	24.5	18.6	62.5
September	Calc	24.4	18.2	176.0
October	Calc	25.7	19.8	140.5
November	Calc	26.0	19.6	64.0
December	Calc	28.1	22.4	241.0
Average annual total		26.4	20.6	203.5

4.6 Monthly rainfall and temperature for Niuaotupapu 2019

Table 25: Monthly rainfall and temperature for Niuaotupapu 2019

Month/Rainfall/Temperature	Sarc	Maximum air temperature	Minimum air temperature	Total rainfall
Month		°C	°C	mm
January	Calc	30.9	24.9	408.0
February	Calc	30.7	25.1	403.5
March	Calc	30.9	24.6	71.5
April	Calc	31.0	24.7	348.5
May	Calc	29.5	24.3	170.0
June	Calc	28.9	24.4	262.0
July	Calc	28.7	23.7	139.0
August	Calc	29.1	24.1	111.5
September	Calc	28.8	23.9	89.5
October	Calc	29.6	22.9	265.4
November	Calc	29.3	21.5	109.2
December	Calc	30.1	23.4	265.7
Average annual total	Calc	29.8	24.0	220.3

4.7 Monthly rainfall and temperature for Niuafo'ou, 2019

Table 26: Monthly rainfall and temperature for Niuafo'ou, 2019

Month/Rainfall/Temperature	Sarc	Maximum air temperature	Minimum air temperature	Total rainfall
Month		°C	°C	mm
January	Calc	30.2	25.2	586.0
February	Calc	30.1	24.9	680.0
March	Calc	30.4	25.0	314.0
April	Calc	30.7	25.1	225.5
May	Calc			373.5
June	Calc	28.9	25.0	132.5
July	Calc	28.7	24.4	328.5
August	Calc	29.0	24.8	65.5
September	Calc	28.9	24.5	50.0
October	Calc	30.0	24.6	199.5
November	Calc	29.2	24.1	119.0
December	Calc	30.2	25.2	173.0
Average annual total	Calc	29.7	24.8	270.6

4.8 Monthly rainfall and temperature for Nuku'alofa, 2020

Table 27: Monthly rainfall and temperature for Nuku'alofa, 2020

Month/Rainfall/Temperature	Sarc	Maximum air temperature	Minimum air temperature	Total rainfall
Month		°C	°C	mm
January	Calc	31.3	23.6	257.0
February	Calc	31.3	24.1	62.5
March	Calc	30.8	23.7	539.0
April	Calc	29.5	22.6	233.0
May	Calc	29.0	20.7	46.0
June	Calc	27.8	21.9	52.0
July	Calc	26.6	20.0	231.5
August	Calc	27.7	19.9	163.0
September	Calc	27.3	20.4	145.0
October	Calc	27.5	21.3	184.0
November	Calc	29.3	22.0	61.5
December	Calc	30.4	23.9	132.7
Average annual total	Calc	29.0	22.0	175.6

4.9 Monthly rainfall and temperature for Fua'amotu, 2020

Table 28: Monthly rainfall and temperature for Fua'amotu, 2020

Month/Rainfall/Temperature	Sarc	Maximum air temperature	Minimum air temperature	Total rainfall
		°c	°c	mm
January	Calc	29.8	23.1	305.3
February	Calc	29.9	23.7	88.8
March	Calc	29.4	23.8	339.8
April	Calc	27.9	22.1	221.5
May	Calc	27.2	20.8	68.0
June	Calc	26.4	21.7	113.7
July	Calc	24.9	19.8	271.8
August	Calc	25.6	19.2	126.0
September	Calc	25.5	20.7	111.5
October	Calc	25.9	21.3	243.5
November	Calc	28.1	21.8	58.8
December	Calc	29.1	23.3	132.0
Average annual total	Calc	27.5	21.8	173.4

4.10 Monthly rainfall and temperature for Vava'u, 2020

Table 29: Monthly rainfall and temperature for Vava'u, 2020

Month/Rainfall/Temperature	Sarc	Maximum air temperature	Minimum air temperature	Total rainfall
		°c	°c	mm
January	Calc	29.3	22.1	220.2
February	Calc	29.4	22.9	351.7
March	Calc	29.9	22.6	135.3
April	Calc	28.9	22.3	518.6
May	Calc	28.6	20.9	242.4
June	Calc	27.3	22.0	72.3
July	Calc	26.9	21.7	84.5
August	Calc	27.3	20.8	57.2
September	Calc	26.8	21.4	175.8
October	Calc	27.4	22.5	265.6
November	Calc	28.0	22.7	380.9
December	Calc	29.0	23.5	347.5
Average annual total	Calc	28.2	22.1	237.7

4.11 Monthly rainfall and temperature for Ha'apai, 2020

Table 30: Monthly rainfall and temperature for Ha'apai, 2020

Month/Rainfall/Temperature	Sarc	Maximum air temperature	Minimum air temperature	Total rainfall
		°C	°C	mm
January	Calc	29.4	24.7	222.5
February	Calc	29.8	24.7	189.5
March	Calc	30.1	25.3	133.1
April	Calc	28.9	24.2	224.5
May	Calc	27.8	22.6	89.6
June	Calc	27.3	23.5	118.3
July	Calc	26.1	21.3	135.0
August	Calc	26.6	21.8	118.8
September	Calc	26.3	21.6	302.0
October	Calc	27.2	22.8	315.6
November	Calc	28.1	23.9	48.3
December	Calc	28.9	24.4	247.5
Average annual total	Calc	28.0	23.4	178.7

4.12 Monthly rainfall and temperature for 'Eua, 2020

Table 31: Monthly rainfall and temperature for 'Eua, 2020

Month/Rainfall/Temperature	Sarc	Maximum air temperature	Minimum air temperature	Total rainfall
Month		°C	°C	mm
January	Calc	29.0	22.8	243.0
February	Calc	28.6	22.9	269.0
March	Calc	28.5	22.5	353.6
April	Calc	27.2	22.4	193.5
May	Calc	25.3	20.0	174.5
June	Calc	24.8	19.1	94.5
July	Calc	24.1	19.1	429.5
August	Calc	24.5	18.6	62.5
September	Calc	24.4	18.2	176.0
October	Calc	25.7	19.8	140.5
November	Calc	26.0	19.6	64.0
December	Calc	28.1	22.4	241.0
Average annual total		26.4	20.6	203.5

4.13 Monthly rainfall and temperature for Niuatoputapu, 2020

Table 32: Monthly rainfall and temperature for Niuatoputapu, 2020

Month/Rainfall/Temperature	Src	Maximum air temperature	Minimum air temperature	Total rainfall
		°c	°c	mm
January	Calc	30.4	23.4	253.7
February	Calc	30.3	23.0	325.5
March	Calc	31.5	22.7	61.9
April	Calc	30.8	23.2	385.1
May	Calc	30.5	23.1	300.7
June	Calc	29.3	22.9	183.7
July	Calc	28.8	23.9	168.6
August	Calc	28.8	24.3	267.9
September	Calc	28.3	23.9	235.1
October	Calc	29.1	24.8	374.7
November	Calc	29.7	24.6	183.1
December	Calc	30.0	24.4	540.1
Average annual total	Calc	29.8	23.7	273.3

4.14 Monthly rainfall and temperature for Niuafu'ou, 2020

Table 33: Monthly rainfall and temperature for Niuafu'ou, 2020

Month/Rainfall/Temperature	Src	Maximum air temperature	Minimum air temperature	Total rainfall
		°c	°c	mm
January	Calc	30.5	24.7	280.0
February	Calc	30.8	25.0	135.0
March	Calc	32.0	25.4	87.0
April	Calc	31.4	25.4	208.5
May	Calc	31.0	25.6	262.0
June	Calc	30.1	24.9	222.0
July	Calc	29.5	24.7	115.0
August	Calc	29.2	24.8	117.0
September	Calc	28.3	24.1	250.0
October	Calc	29.1	24.7	436.0
November	Calc	29.9	25.0	103.5
December	Calc	31.1	24.9	417.0
Average annual total	Calc	30.2	25.0	219.4

SECTION 5: TRANSPORT

5.1 Total vehicle registration 2019 - 2020¹

Table 34: Total vehicle registration 2019 – 2020

Year	2019	2020
Vehicle Classification	Quantities	
A. Motor cycle	24	12
B. Motorised Tricycle	-	-
C. Private motor vehicle	1,437	1,272
D. Taxi/Rental Cars	183	128
E. Passenger Bus/Lorry	10	12
F. Light Goods Vehicles	1,264	1,409
G. Tractor	44	31
H. Heavy Plant	28	48
J. Heavy Goods Vehicle	-	-
Total	2,990	3,279

5.2 2020 T Total vehicle registration

Table 35: Total vehicle registration 2020

Vehicle Classification	Jan	Feb	Mar	Apr	May	Jun	Jul-	Aug	Sep	Oct	Nov	Dec	TOTAL
A. Motor Cycle	1	3	3	0	1	-	-	-	3	-	1	-	12
B. Motorised Tricycle	-	-	-	-	-	-	-	-	-	-	-	-	-
C. Private Motor Vehicle	114	107	110	12	117	159	150	127	153	130	113	130	1,272
D. Taxi/Rental Car	7	5	5	-	4	7	14	22	8	14	25	17	128
E. Passenger Bus/Lorry	1	-	2	-	-	-	2	2	2	-	1	2	12
F. Light Goods Vehicle	102	83	69	1	80	140	137	151	141	164	177	164	1,409
G. Tractor	-	2	3	1	4	4	4	6	1	1	1	4	31
H. Heavy Plant	-	-	1	-	1	20	1	6	7	5	4	3	48
I. Invalid Carriage	-	-	-	-	-	-	-	-	-	-	-	-	-
J. Heavy Goods Vehicle	22	23	16	-	31	46	43	41	79	27	26	13	367
Total	247	223	209	14	238	376	201	355	394	341	348	333	3,279

¹ Source: MOI_transport division

SECTION 6: FIRE STATISTICS

6.1 Total fire call for Tonga by type and by Division, 2019 – 2020

Table 36: Total fire call by type and by Division, 2019 – 2020

Tonga	2019	2020
Total fire call	298	297
Fire type		
Total	264	271
Dwelling House and other building 2	76	72
Bush 3	167	178
Electrical, Pole Top, Main Board	11	9
Vehicle, Engine, Generator	10	11
Ship, Vessel, Aircraft	0	1
Rescue type		
Total	8	6
Road Crash	8	4
Water Rescue	-	1
Land Search & Rescue	-	1
Other Emergency		
Total	26	20
False alarm	16	16
Hazardous	3	3
Community Obligations	7	1

6.2 Total fire call by type and by Division, 2019 – 2020

Table 37: Total fire call for Tonga by type and by Division, 2019 – 2020

Year	2019				2020			
Division	<u>Tongatapu</u>	<u>Vava'u</u>	<u>Ha'apai</u>	<u>'Eua</u>	<u>Tongatapu</u>	<u>Vava'u</u>	<u>Ha'apai</u>	<u>'Eua</u>
Total fire call	276	15	4	3	268	15	9	5
Fire type								
Total	242	15	4	3	245	13	8	5
Dwelling House and other building ²	63	10	1	2	54	11	3	4
Bush ³	160	4	3	-	170	2	5	1
Electrical, Pole Top, Main Board	-	-	-	1	9	-	-	-
Vehicle, Engine, Generator	9	1	-	1	11	-	-	-
Ship, Vessel, Aircraft	-	-	-	-	-1	-	-	-
Rescue type								
Total	8	-	-	-	4	1	1	-
Road Crash Rescue	8	-	-	-	2	1	1	-
Water Rescue	-	-	-	-	1	-	-	-
Land Search & Rescue	-	-	-	-	1	-	-	-
Other Emergency								
Total	26	-	-	-	19	1	-	-
False alarm	16	-	-	-	16	-	-	-
Hazardous Substance ⁴	3	-	-	-	2	1	-	-
Aircraft Distress Warning	-	-	-	-	1	-	-	-
Community Obligations	7	-	-	-	-	-	-	-
On Set of Disaster ⁵	-	-	-	-	-	-	-	-

2 Commercial Building, Workshop, Shed, Fire Place, Earth Oven Shed, Typical Tongan House, Public Building

3 Grass, Undergrowth, Tree, Scrub, Rubbish, Forest

4 Substance – including tar, oil, spill, gas leak

5 (STANDBY) possible declaration of disaster by NEMO

6.3 Total estimated loss (T\$) by type of fire call for Tonga, 2019 –2020

Table 38: Total estimated loss (T\$) by type of fire call for Tonga, 2019 –2020

Tonga	2019	2020
<u>Value</u>	<u>T\$</u>	<u>T\$</u>
Total estimated loss (T\$)	1,183,698	2,004,578
Total Estimated loss by fire type (\$)	1,097,404	1,879,558
Dwelling House and other building ²	991,221	1,734,249
Bush ³	59,228	89,300
Electrical, Pole Top, Main Board	3,575	5,280
Vehicle, Engine, Generator	43,380	48,680
Ship, Vessel, Aircraft	-	2,050
Total estimated loss by rescue type	83,800	120,150
Road Crash Rescue	83,800	120,050
Water Rescue	-	50
Land Search & Rescue	-	50
Total losses by other emergency	2,485	4,870
False alarm	1,100	4,330
Hazardous Substance ⁴	305	340
Aircraft Distress Warning	-	200
Civil Unrest	-	-
Community Obligations	1,080	-

6.4 Total estimated loss (T\$) by type of fire call for Tonga by division, 2019 – 2020

Table 39: Total estimated loss (T\$) by type of fire call for Tonga by division, 2019 – 2020

Year	2019				2020			
Division	Tongatapu	Vava'u	Ha'apai	'Eua	Tongatapu	Vava'u	Ha'apai	'Eua
Total fire call	1,024,019	106,070	25,300	28,300	1,149,161	319,4578	95,550	440,410
Fire type								
Total	937,734	106,070	25,300	28,300	1,122,411	279,188	37,550	440,410
Dwelling House and other building	840,531	98,540	25,000	27,150	979,651	278,988	35,550	440,060
Grass, Undergrowth, Tree, Scrub, Rubbish, Bush, Forest	58,448	480	300	-	86,750	200	2,000	350
Electrical, Pole Top, Main Board	2,425	-	-	1,150	5,280	-	-	-
Vehicle, Engine, Generator	36,330	7,050	-	-	48,680	-	-	-
Ship, Vessel, Aircraft	-	-	-	-	2,050	-	-	-
Rescue type								
Total	83,800	-	-	-	22,100	40,050	58,000	0
Road Crash Rescue	83,800	-	-	-	22,000	40,050	58,000	-
Water Rescue	-	-	-	-	50	-	-	-
Land Search & Rescue	-	-	-	-	50	-	-	-
Other Emergency								
Total	2,485	-	-	-	4,650	220	0	0
False alarm	1,100	-	-	-	4,330	-	-	-
Hazardous Substance – including tar, oil spill, gas leak	305	-	-	-	120	220	-	-
Community Obligations	1,080	-	-	-	200	-	-	-

SECTION 7: EDUCATION

7.1 Primary Schools Enrolment by sex and class, 2018 – 2020

Table 40: Primary Schools Enrolment by sex and class, 2018 – 2020

All Primary Schools Enrolment by sex and class, 2018 - 2020									
Class	2018			2019			2020		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Class 1	1,560	1,431	2,991	1,564	1,439	3,003	1,614	1,357	2,971
Class 2	1,447	1,342	2,789	1,460	1,327	2,787	1,449	1,343	2,792
Class 3	1,503	1,279	2,782	1,408	1,317	2,725	1,401	1,312	2,713
Class 4	1,446	1,227	2,673	1,494	1,248	2,742	1,431	1,307	2,738
Class 5	1,313	1,216	2,529	1,442	1,217	2,659	1,478	1,247	2,725
Class 6	1,829	1,637	3,466	1,652	1,441	3,093	1,687	1,410	3,097
Inclusive	11	5	16	6	9	15	11	9	20
Total	9,109	8,137	17,246	9,026	7,998	17,024	9,071	7,985	17,056
Government Primary Schools Enrolment									
Class 1	1,245	1,126	2,371	1,227	1,102	2,329	1,273	1,049	2,322
Class 2	1,181	1,072	2,253	1,175	1,062	2,237	1,194	1,066	2,260
Class 3	1,218	1,047	2,265	1,160	1,060	2,220	1,172	1,078	2,250
Class 4	1,231	994	2,225	1,223	1,020	2,243	1,175	1,042	2,217
Class 5	1,077	990	2,067	1,227	993	2,220	1,235	1,025	2,260
Class 6	1,563	1,396	2,959	1,397	1,210	2,607	1,473	1,208	2,681
Inclusive	11	5	16	6	9	15	11	9	20
Total	7,526	6,630	14,156	7,415	6,456	13,871	7,533	6,477	14,010
Non-government Primary Schools Enrolment by sex and class, 2018 - 2020									
Class 1	315	305	620	337	337	674	341	308	649
Class 2	266	270	536	285	265	550	255	277	532
Class 3	285	232	517	248	257	505	229	234	463
Class 4	215	233	448	271	228	499	256	265	521
Class 5	236	226	462	215	224	439	243	222	465
Class 6	266	241	507	255	231	486	214	202	416
Inclusive	-	-	-	-	-	-	-	-	-
Total	1,583	1,507	3,090	1,611	1,542	3,153	1,538	1,508	3,046

7.2 All Primary Schools Enrolment by Age as of March 2020

Table 41: All Primary Schools Enrolment by Age as of March 2020

Age	2018			2019			2020		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
4	209	234	443	167	177	344	165	137	302
5	1,317	1,220	2,537	1,354	1,249	2,603	1,362	1,196	2,558
6	1,350	1,280	2,630	1,382	1,281	2,663	1,412	1,300	2,712
7	1,502	1,295	2,797	1,335	1,242	2,577	1,380	1,292	2,672
8	1,423	1,227	2,650	1,479	1,283	2,762	1,335	1,253	2,588
9	1,275	1,186	2,461	1,405	1,177	2,582	1,492	1,299	2,791
10	1,260	1,147	2,407	1,143	1,047	2,190	1,297	1,072	2,369
11	602	443	1,045	519	356	875	445	299	744
12	118	70	188	98	47	145	68	50	118
13	12	4	16	4	2	6	7	3	10
14	-	1	1	-	2	2	-	-	-
15	-	1	1	-	-	-	-	-	-
Age Unknown	41	29	70	140	135	275	108	84	192
Total	9,109	8,137	17,246	9,026	7,998	17,024	9,071	7,985	17,056

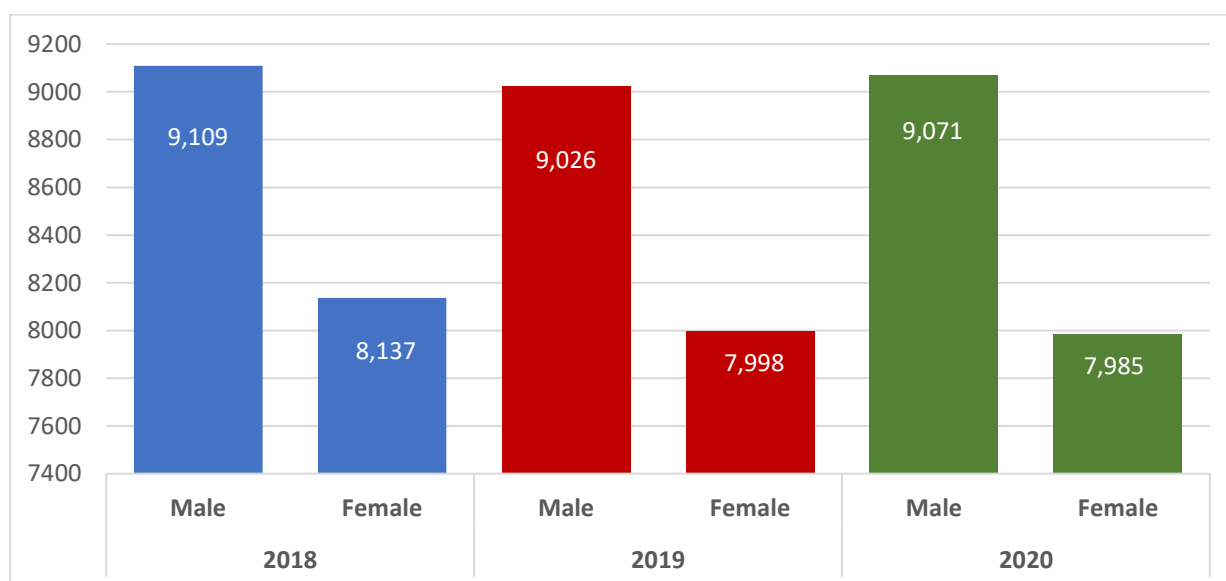


Figure 7: Figure 6: Primary school enrolment by sex, 2018-2020

7.3 Secondary school enrolment by form, sex and controlling authority, 2018 – 2020

Table 42: Secondary school enrolment by form, sex and controlling authority, 2018 – 2020

Government and Non-government Secondary Schools Enrolment, 2018 - 2020									
	2018			2019			2020		
Class	Male	Female	Total	Male	Female	Total	Male	Female	Total
Form 1	1,323	1,170	2,493	1,429	1,341	2,770	1,318	1,197	2,515
Form 2	1,236	1,284	2,520	1,300	1,175	2,475	1,284	1,286	2,570
Form 3	1,158	1,162	2,320	1,215	1,234	2,449	1,104	1,076	2,180
Form 4	1,187	1,229	2,416	1,142	1,165	2,307	1,074	1,147	2,221
Lower Fifth	16	49	65	0	0	0	4	9	13
Form 5	1,001	1,337	2,338	1,047	1,368	2,415	902	1,308	2,210
Form 6	472	894	1,366	569	1,002	1,571	460	866	1,326
Form 7	221	392	613	311	529	840	282	491	773
TVET	359	46	405	465	32	497	567	126	693
Total	6,973	7,563	14,536	7,478	7,846	15,324	6,995	7,506	14,501
Government secondary school enrolment by sex and form, 2018 – 2020									
Form 1	508	393	901	513	413	926	495	457	952
Form 2	466	446	912	459	373	832	471	454	925
Form 3	340	275	615	337	262	599	377	303	680
Form 4	329	283	612	272	274	546	338	265	603
Lower Fifth			0			0			0
Form 5	300	295	595	304	308	612	310	334	644
Form 6	192	271	463	212	269	481	188	253	441
Form 7	85	100	185	153	206	359	143	184	327
TVET			0	72	0	72	152	0	152
Total	2,220	2,063	4,283	2,322	2,105	4,427	2,474	2,250	4,724
Non-government secondary school enrolment, 2018 - 2020									
Form 1	815	777	1,592	916	928	1,844	823	740	1,563
Form 2	770	838	1,608	841	802	1,643	813	832	1,645
Form 3	818	887	1,705	878	972	1,850	727	773	1,500
Form 4	858	946	1,804	870	891	1,761	736	882	1,618
Lower Fifth	16	49	65			0	4	9	13
Form 5	701	1,042	1,743	743	1,060	1,803	592	974	1,566
Form 6	280	623	903	357	733	1,090	272	613	885
Form 7	136	292	428	158	323	481	139	307	446
TVET	359	46	405	393	32	425	415	126	541
Total	4,753	5,500	10,253	5,156	5,741	10,897	4,521	5,256	9,777

7.4 Secondary school enrolment by age, sex and controlling authority, 2018 – 2020

Table 43: Government and non-government secondary school enrolment, 2018 – 2020

Age	2018			2019			2020		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
10	84	112	196	110	115	225	78	104	182
11	672	710	1,382	751	842	1,593	768	847	1,615
12	1,157	1,146	2,303	1,130	1,120	2,250	1,104	1,098	2,202
13	1,106	1,079	2,185	1,222	1,166	2,388	1,106	1,100	2,206
14	1,108	1,139	2,247	1,157	1,132	2,289	1,075	1,101	2,176
15	952	1,026	1,978	975	1,127	2,102	972	1,030	2,002
16	799	943	1,742	842	964	1,806	809	999	1,808
17	468	652	1,120	617	733	1,350	578	716	1,294
18	256	329	585	292	351	643	287	350	637
19	86	97	183	89	147	236	95	104	199
20	14	25	39	21	29	50	15	21	36
21	4	7	11	1	3	4	4	3	7
22	1	1	2	0	0	0	1	0	1
23	74	37	111	0	0	0	0	0	0
Not stated	192	260	452	271	117	388	103	33	136
Total	6,973	7,563	14,536	7,478	7,846	15,324	6,995	7,506	14,501

Table 44: Government Secondary school enrolment, 2018 - 2020

Age	2018			2019			2020		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
10	42	34	76	40	34	74	37	32	69
11	256	273	529	274	266	540	289	327	616
12	410	410	820	404	363	767	413	378	791
13	414	317	731	359	312	671	393	364	757
14	318	271	589	339	275	614	340	303	643
15	260	238	498	269	245	514	327	262	589
16	235	231	466	237	223	460	293	250	543
17	132	146	278	218	202	420	221	204	425
18	66	82	148	111	101	212	112	101	213
19	13	20	33	21	47	68	28	19	47
20	1	3	4	4	9	13	4	3	7
21	0	1	1		2	2	3	1	4
22									
23	73	37	110						
Not stated	0	0	0	46	26	72	14	6	20
Total	2,220	2,063	4,283	2,322	2,105	4,427	2,474	2,250	4,724

Table 45: non-government secondary school enrolment, 2018 – 2020

Age	2018			2019			2020		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
10	42	78	120	70	81	151	41	72	113
11	416	437	853	477	576	1,053	479	520	999
12	747	736	1,483	726	757	1,483	691	720	1,411
13	692	762	1,454	863	854	1,717	713	736	1,449
14	790	868	1,658	818	857	1,675	735	798	1,533
15	692	788	1,480	706	882	1,588	645	768	1,413
16	564	712	1,276	605	741	1,346	516	749	1,265
17	336	506	842	399	531	930	357	512	869
18	190	247	437	181	250	431	175	249	424
19	73	77	150	68	100	168	67	85	152
20	13	22	35	17	20	37	11	18	29
21	4	6	10	1	1	2	1	2	3
22	1	1	2				1		1
23	1	0	1						
Not stated	192	260	452	225	91	316	89	27	116
Total	4,753	5,500	10,253	5,156	5,741	10,897	4,521	5,256	9,777

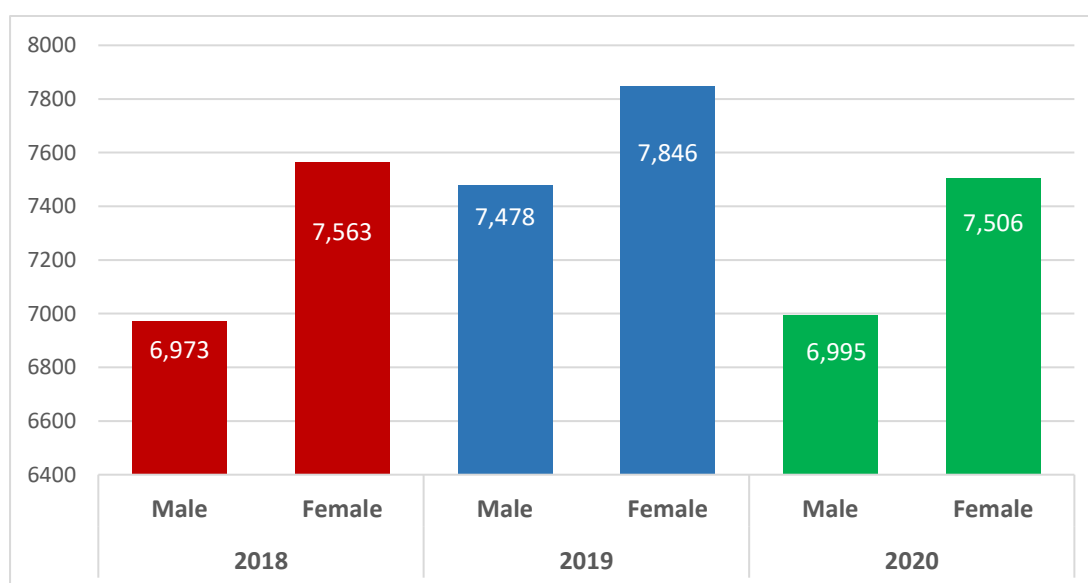


Figure 8: Secondary school enrolment by sex, 2018-2020

7.5 Post - Secondary Education Enrolment, 2018-2020

Table 46: Post - Secondary Education Enrolment 2018-2020

Controlling Authority	2018	2019	2020
Post Secondary Education			
Males	1,383	1,230	1,115
Females	1,317	1,246	1,521
Not Stated	0	0	0
TOTAL	2,700	2,476	2,636
Government			
Males	984	875	775
Female	705	637	841
Not Stated	0	0	0
TOTAL	1,689	1,512	1,616
Non- government			
Males	399	355	340
Female	612	609	680
Not Stated	0	0	0
TOTAL	1,011	964	1,020
Regional (USP Tonga)			
Males	320	330	355
Female	803	762	802
Not Stated	0	0	0
TOTAL	1,123	1,092	1,157

7.6 Total Enrolment in Professional Education, 2018-2020

Table 47: Total Enrolment in Professional Education, 2018-2020

Total Enrolment	2018	2019	2020
Males	825	816	444
Females	1,742	1,634	965
TOTAL	2,567	2,450	1,409
Government			
Males	270	264	245
Female	676	611	716
TOTAL	946	875	961
Non- government			
Males	235	222	199
Female	263	261	249
TOTAL	498	483	448
Regional (USP Tonga)			
Males	320	330	355
Female	803	762	802
Not Stated	0	0	0
TOTAL	1,123	1,092	1,157

7.7 Technical & Vocational Education

Table 48: Technical & Vocational Education

Total Enrolment	2018	2019	2020
Male	878	744	671
Female	378	374	556
TOTAL	1,256	1,118	1,227
Government			
Male	714	611	530
Female	29	26	125
TOTAL	743	637	655
Non-Government			
Male	164	133	141
Female	349	348	431
TOTAL	513	481	572

7.8 Primary and Secondary School Enrolment Rate for 2018-2020

Table 49: Enrolment Rate, 2018-2020

Primary School Enrolment Rate			
Sex	2018	2019	2020
Total	90.0	88.1	90.2
Male	90.5	88.7	90.3
Female	89.3	87.3	90
Secondary School Enrolment Rate			
Total	71.3	74.8	71.6
Male	65.7	69.8	66.1
Female	77.5	80.3	77.5

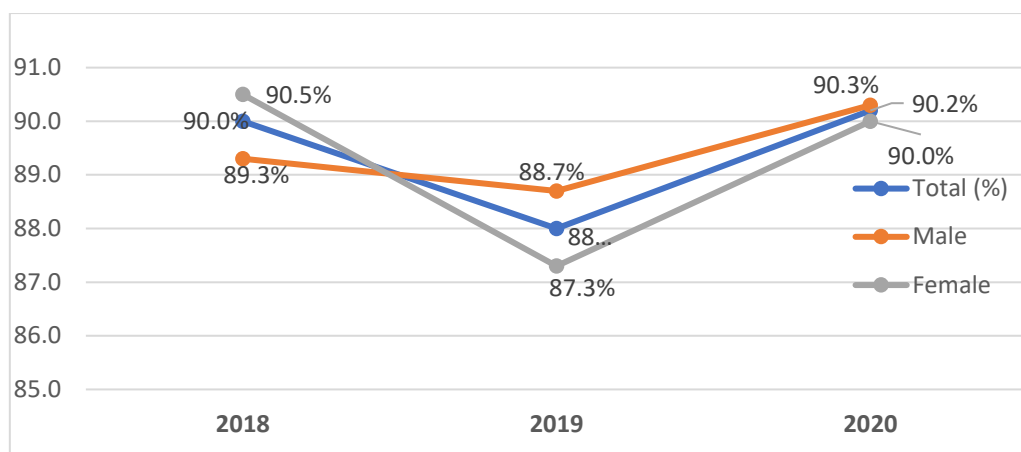


Figure 9: Primary school enrolment rate (%), 2018 – 2020

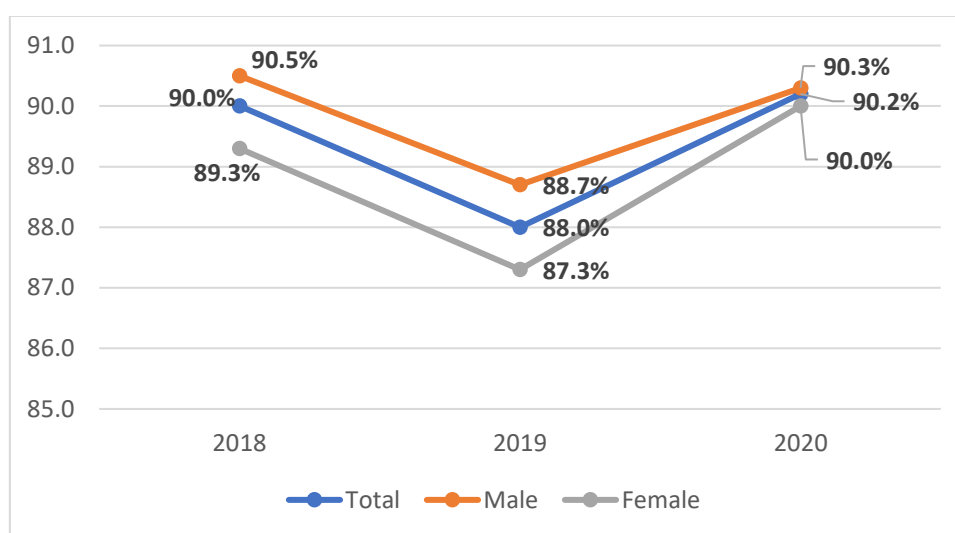


Figure 10: Secondary school enrolment rate by sex, 2018 – 2020

7.9 Teacher's student ratio 2018 - 2020

Table 50: Teacher's student ratio 2018 - 2020

Teacher/pupil	2018	2019	2020
Primary school:			
teacher	781	812	779
student	17,246	17,024	17,056
Teachers student ratio	22	21	22
Secondary school:			
teachers	1,048	1,025	1,057
students	14,536	15,324	14,501
Teachers studentl ratio	14	15	14

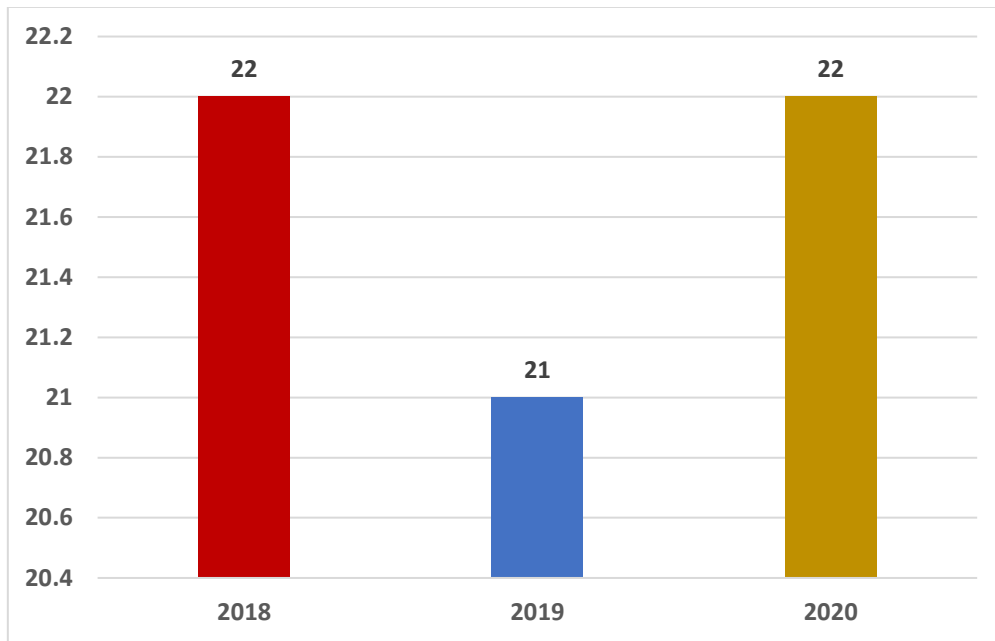


Figure 11: Figure 9: Primary school Teacher's student ratio

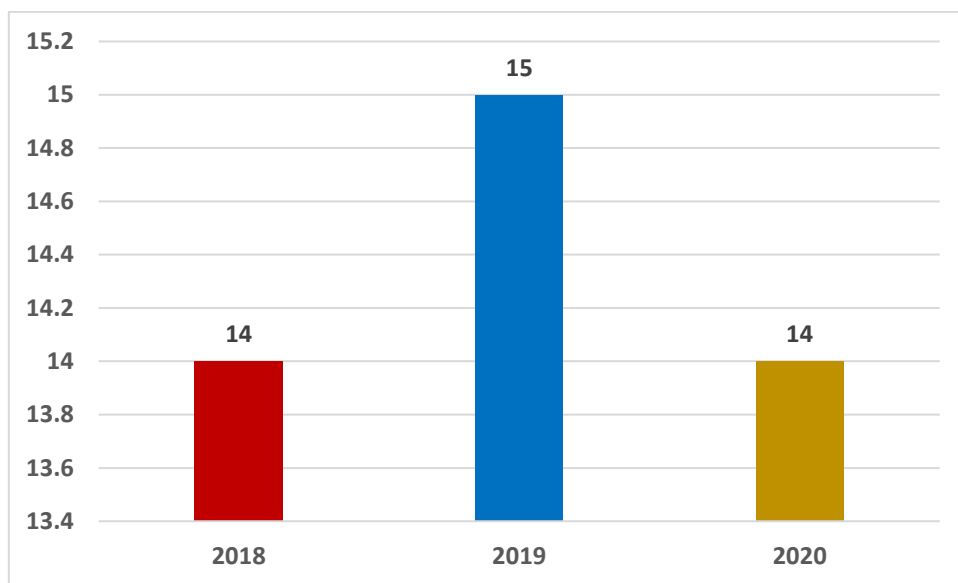


Figure 12: Secondary school teacher's student ratio

7.10 Primary School Teachers by Qualification, and Controlling authority (Total)

Table 52: Primary School Teachers by Qualification, and Controlling authority (Total)

Teachers/Qualification			
	2018	2019	2020
Total number of teachers			
PHD	-	-	-
MA	2	1	2
Degree	26	20	27
Diploma	672	696	697
Certificate	34	37	35
TUT Dip	47	17	18
None		41	
TOTAL	781	812	779
Total Government Teachers			
PHD	-	-	-
MA	-	-	-
Degree	1	3	8
Diploma	609	613	624
Certificate	5	7	4
TUT Dip	4	3	0
Non		0	
TOTAL	619	626	636
Total Non-Government Teachers			
PHD	-	-	
MA	2	1	2
Degree	25	17	19
Diploma	63	83	73
Certificate	29	30	31
TUT Dip	43	14	18
None		41	
TOTAL	162	186	143

7.11 Primary School Male Teachers by Qualification, and Controlling authority

Table 51: Primary School Teachers by Qualification, and Controlling authority (Male)

Male Teachers	2018	2019	2020
PHD	0	0	0
MA	1	0	1
Degree	11	2	3
Diploma	165	194	159
Certificate	5	2	4
TUT Dip	8	6	2
None		6	
TOTAL	190	210	169
Government Male Teachers	-		
PHD	0	0	0
MA	0	0	0
Degree	0	0	1
Diploma	154	179	150
Certificate	1	1	1
TUT Dip	1	0	0
None		0	
TOTAL	156	180	152
Non-Government Male Teachers			
PHD	0	0	0
MA	1	0	1
Degree	11	2	2
Diploma	11	15	9
Certificate	4	1	3
TUT Dip	7	6	2
None	0	6	0
TOTAL	34	30	17

7.12 Primary School Female Teachers by Qualification, and Controlling authority

Table 52: Primary School Teachers by Qualification, and Controlling Authority, 2018 - 2020

Female Teachers/	2018	2019	2020
PHD	0	0	0
MA	1	1	1
Degree	15	18	24
Diploma	507	502	538
Certificate	29	35	31
TUT Dip	39	11	16
None	0	35	0
TOTAL	591	602	610
Government			
PHD	0	0	0
MA	0	0	0
Degree	1	3	7
Diploma	455	434	474
Certificate	4	6	3
TUT Dip	3	3	0
None	0	0	0
TOTAL	463	446	484
Non-Government			
PHD	0	0	0
MA	1	1	1
Degree	14	15	17
Diploma	52	68	64
Certificate	25	29	28
TUT Dip	36	8	16
None	0	35	0
TOTAL	128	156	126

7.13 Secondary School Teachers by Qualification, and Controlling Authority (Total)

Table 53: Secondary School Teachers by Qualification, and Controlling Authority (Total)

Teachers/Qualification			
	2018	2019	2020
Total teachers			
PHD	-	2	-
MA	-	70	-
Degree	372	272	292
Diploma	509	533	486
Certificate	119	91	100
TUT Dip	47	38	16
None	1	19	163
TOTAL	1,048	1,025	1,057
Total Government Teachers			
PHD	-	0	-
MA	-	10	-
Degree	86	63	112
Diploma	234	240	242
Certificate	0	0	1
TUT Dip	1	0	2
None	0	0	10
TOTAL	321	313	367
Total Non-Government Teachers			
PHD	-	2	-
MA	-	60	-
Degree	286	209	180
Diploma	275	293	244
Certificate	119	91	99
TUT Dip	46	38	14
None	1	19	153
TOTAL	727	712	690

7.14 Secondary School Male Teachers by Qualification, and controlling authority

Table 54: Secondary School male Teachers by Qualification, and Controlling Authority

Qualification	2018	2019	2020
Male Teachers			
PHD	-	1	-
MA	-	22	-
Degree	153	112	117
Diploma	208	210	174
Certificate	62	49	55
TUT Dip	24	21	6
None	1	4	50
TOTAL	448	419	402
Government Male Teachers			
PHD	-	-	-
MA	-	-	-
Degree	32	28	46
Diploma	91	90	80
Certificate	-	-	1
TUT Dip	1	-	-
None	-	-	3
TOTAL	124	118	130
Non-Government Male Teachers			
PHD	-	1	-
MA	-	22	-
Degree	121	84	71
Diploma	117	120	94
Certificate	62	49	54
TUT Dip	23	21	6
None	1	4	47
TOTAL	324	301	272

Please Note: All undergraduate and post graduate qualification for Secondary Biodata for 2018 and 2020 are being categorised under degree holders.

7.15 Secondary School Female Teachers by Qualification, and Controlling authority

Table 55: Secondary School Female Teachers by Qualification, and Controlling authority

Teachers/Qualification	2018	2019	2020
female teachers			
PHD	-	1	-
MA	-	48	-
Degree	219	160	175
Diploma	301	323	312
Certificate	57	42	45
TUT Dip	25	17	10
None	-	15	113
TOTAL	602	606	655
Government			
PHD	-	-	-
MA	-	10	-
Degree	54	35	66
Diploma	143	150	162
Certificate	-	-	-
TUT Dip	-	-	2
None	-	-	7
TOTAL	197	195	237
Non-Government			
PHD	-	1	-
MA	-	38	-
Degree	165	125	109
Diploma	158	173	150
Certificate	57	42	45
TUT Dip	25	17	8
None	-	15	106
TOTAL	405	411	418

SECTION 8: VITAL STATISTICS

8.1 Main indicators

Table 56: Main indicators

Indicators	2013-2015	2016-2018	Unit
2016 Census Population			
Total	100,651		
Male	50,255		
Female	50,396		
Fertility			
Total birth	8,610	7,230	
Average number of births	2,870	2,410	
Sex ratio at birth	111	105	
Total fertility rate	3.7	3.2	per woman
Crude birth rate	27.8	23.9	per 1,000
Adolescent birth rate	38.8	35.5	per 1,000
Mortality			
Total death	2,503	2,501	
Average number of deaths	834	834	
Crude death rate	8	8	per 1,000
Neonatal mortality rate	4	6	Per 1,000
Infant mortality rate	13	14	per 1,000
Under-5 mortality rate	16	19	per 1,000
Cause of Death			
Total natural deaths	1,811	1,679	
Total non-natural deaths	82	93	
Maternal mortality ratio	46.45	41.49	per 100,000

8.2 Total number of births by sex per year, 2013-2018.

Table 57: Total number of births by sex per year, 2013-2018.

Year	Female	Female %	Male	Male %	TOTAL
2013	1,393	48%	1,494	52%	2,887
2014	1,366	48%	1,509	53%	2,875
2015	1,318	46%	1,530	54%	2,848
2016	1,264	48%	1,368	52%	2,632
2017	1,239	50%	1,224	50%	2,463
2018	1,025	48%	1,110	52%	2,135
TOTAL	7,605	48%	8,235	52%	15,840

8.3 Average number of births by sex, by three-year period, 2013-2018.

Table 58: Average number of births by sex, by three-year period, 2013-2018.

Period	Female Average	Male Average	Total Average
2013 - 2015	1,359	1,511	2,870
2016 - 2018	1,176	1,234	2,410

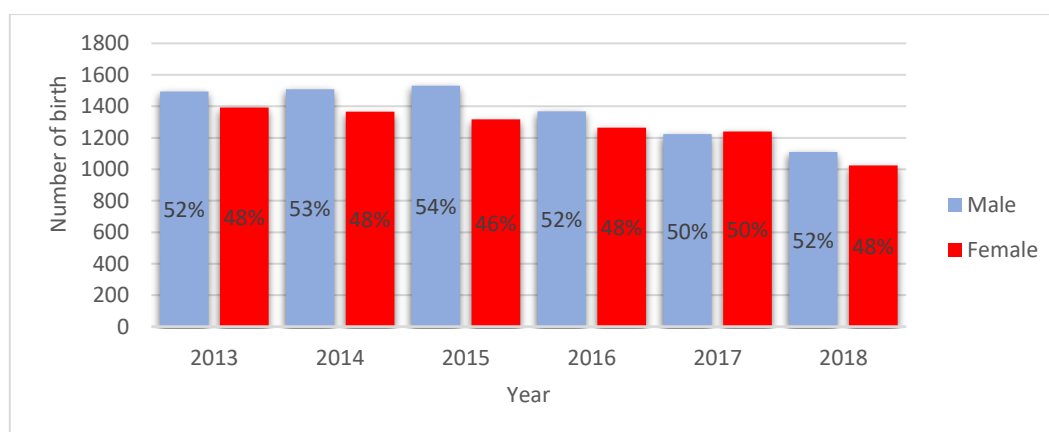


Figure 13: Number of births by percentage and by sex, 2013-2018

8.4 Percentage distribution of live births by age of mother by three-year period, 2013-2018.

Table 59: Percentage distribution of live births by age of mother by three-year period, 2013-2018.

Mothers' Age-group	2013 - 2015		2016 - 2018	
	Number	%	Number	%
<15	3			
15-19	619	0.08	581	0.08
20-24	2,123	0.27	1,795	0.26
25-29	2,285	0.29	1,883	0.27
30-34	1,787	0.22	1,600	0.23
35-39	872	0.11	833	0.12
40-44	246	0.03	222	0.03
45+	11		16	
TOTAL	7,946	100	6,930	100

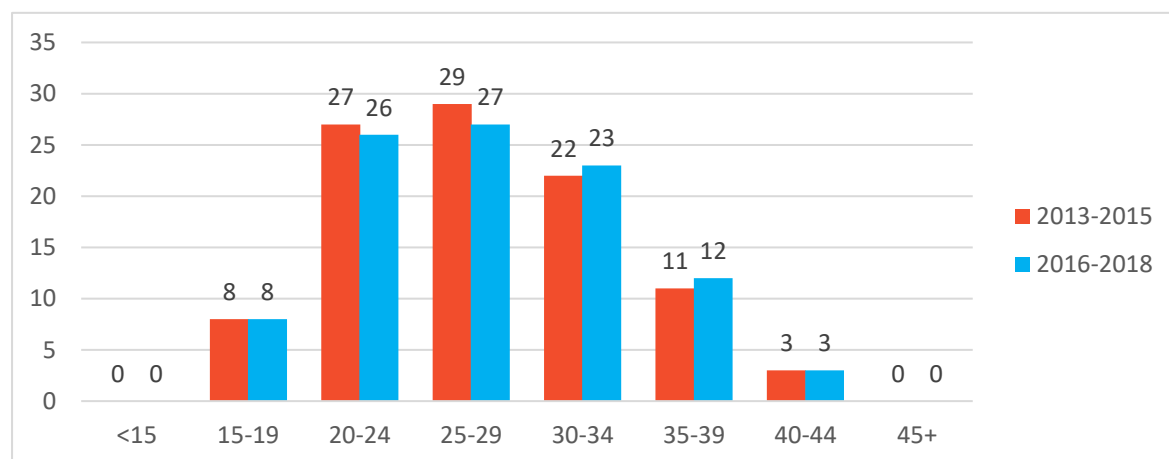


Figure 14: Percentage distribution of births by age group of mothers by three-year period, 2013-2018

8.5 Distribution of births by place of occurrence and island, 2013-2018.

Table 60: Distribution of births by place of occurrence and island, 2013-2018.

Island	Hospital / Health cent		Community setting/ Home		Total
	Number	Percentage (%)	Number	Percentage (%)	
Tongatapu	12,818	0.99	102	0.01	12,920
Vava'u	1,997	0.98	49	0.02	2,046
Ha'apai	503	0.97	17	0.03	520
Eua	343	0.98	8	0.02	351
Ongo Niua	2	*	1	*	3
Total	15,663	0.99%	177	0.01%	15,840

8.6 CBR by three-year period, 2013-2018.

Table 61: CBR by three-year period, 2013-2018.

Period	Crude birth rate
2013 - 2015	27.8
2016 - 2018	23.9

8.7 Teenage (aged 15-19 years) pregnancy (%) 2013-2018.

Table 62: Teenage (aged 15-19 years) pregnancy (%) 2013-2018.

Teen Pregnancy	2013	2014	2015	2016	2017	2018	TOTAL
Mothers ^a	218	216	185	222	195	164	1,200
Total live births ^b	2,887	2,875	2,848	2,632	2,463	2,135	15,840
Mothers of							
	251	231	182	61	150	89	964
unknown age							
Total live births	2,636	2,644	2,666	2,571	2,313	2,046	14,876
Proportion (%) ^c	8	8	7	8	8	8	8

8.8 Distribution of births by place of occurrence and island, 2013-2018.

Table 63: Distribution of births by place of occurrence and island, 2013-2018.

Island	Hospital / Health Centre		Community setting/ Home		Total
	Number	Percentage (%)	Number	Percentage (%)	
Tongatapu	12,818	0.99	102	0.01	12,920
Vava'u	1,997	0.98	49	0.02	2,046
Ha'apai	503	0.97	17	0.03	520
Eua	343	0.98	8	0.02	351
Ongo Niua	2	*	1	*	3
Total	15,663	0.99	177	0.01	15,840

8.9 Age-specific fertility rates, by three-year period, 2013-2018

Table 64: Age-specific fertility rates, by three-year period, 2013-2018

Mother's age group (years)	2013-2015 Rate (per 1,000 women)	2016-2018 Rate (per 1,000 women)
10-14	0	0
15-19	39	38
20-24	173	145
25-29	190	181
30-34	180	151
35-39	98	94
40-44	29	27
45-49	2	2

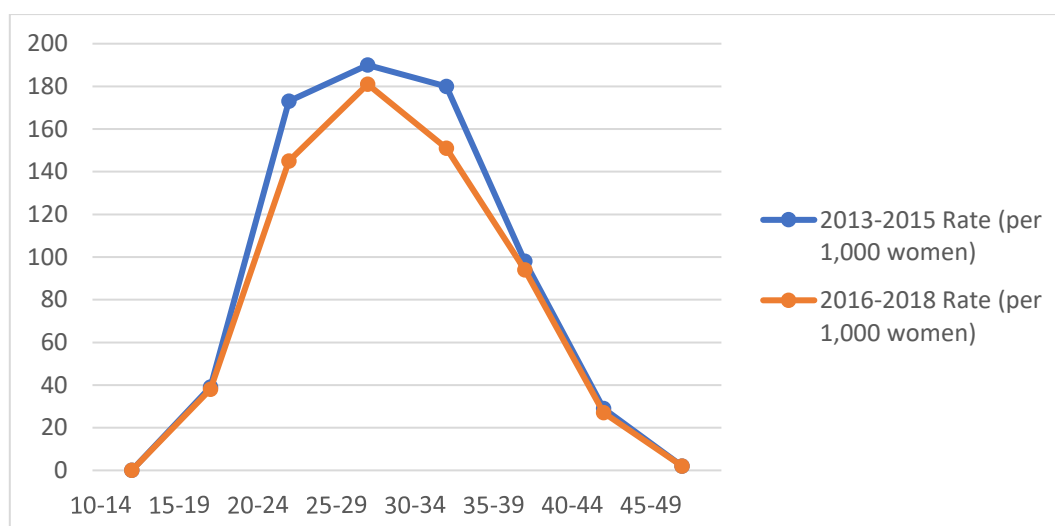


Figure 15: Age-specific fertility rates, by three-year period, 2013-2018

8.10 Number of deaths recorded in each source, and when reconciled, 2013-2018^a.

Table 65: Number of deaths recorded in each source, and when reconciled, 2013-2018^a.

Year	Civil registration	Medical death certificates	Community nursing reports	Hospital discharge	Reconciled
2013	462	573	517	158	759
2014	588	722	660	188	939
2015	519	598	572	136	805
2016	541	645	579	125	830
2017	571	530	591	132	836
2018	556	597	601	104	835
Total	3,237	3,665	31,520	843	5,004

Mortality

8.11 Average number of deaths per year, by three-year period, 2013-2018

Table 66: Average number of deaths per year, by three-year period, 2013-2018

Period	Male	Female	Total
2013-2015	469	365	834
2016-2018	463	370	834

Due to rounding, the average male and female deaths for each period do not equal the total

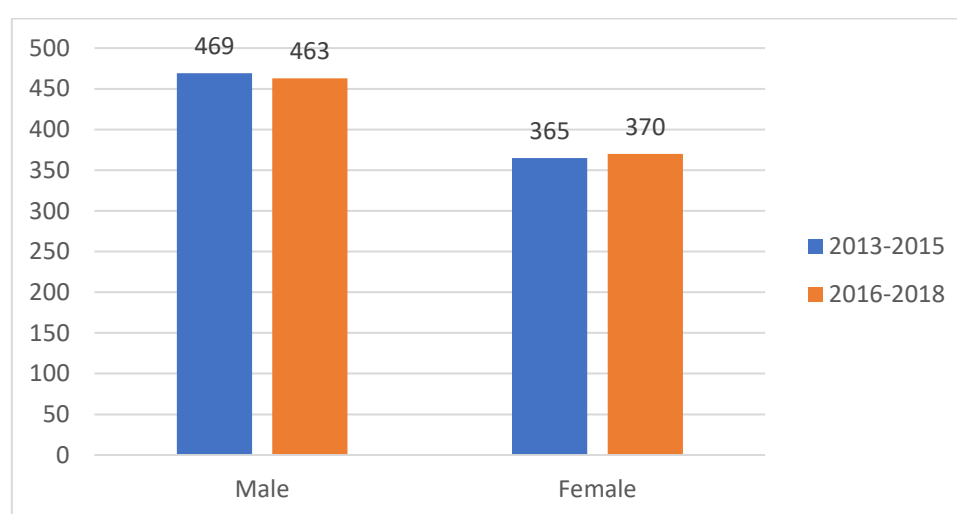


Figure 16: Average number of deaths by sex per year, by three-year period, 2013-2018

Causes of death

8.12 Percentage distribution of natural and non-natural causes of death in 2013-2018.

Table 67: Percentage distribution of natural and non-natural causes of death in 2013-2018.

Period	Number of natural deaths	%	Number of non-natural deaths	%	Total
2013	546	95	27	5	573
2014	692	96	30	4	722
2015	573	96	25	4	598
2016	609	94	36	6	645
2017	506	96	24	5	530
2018	564	95	33	6	597
Total	3,490	95	175	5	3,665

Source: Ministry of Health medical death certificates 2013- 2018

8.13 Ten Leading Medically Certified Causes of Deaths (by ICD chapter) in Males, by three years period, 2013-2018.

Table 68: Ten Leading Medically Certified Causes of Deaths (by ICD chapter) in Males, by three-year period, 2013-2018

		2013-2015		2016-2018	
List code ^a		Number of deaths		Number of deaths	
	Disease category		%		%
64	Circulatory system diseases	305	30	268	29
51	Endocrine, nutritional, and metabolic diseases	194	19	210	22
26	Neoplasms	142	14	122	13
72	Respiratory diseases	135	13	100	11
95	External causes	62	6	72	8
1	Infectious and parasitic diseases	46	5	41	4
78	Digestive system diseases	38	4	32	3
84	Genitourinary diseases	22	2	33	3
83	Musculoskeletal diseases	23	2	16	2
58	Nervous system diseases	15	1	19	2
	<i>All Other Causes</i>	37	4	40	4
94	Ill-defined conditions	58	-	33	-
	Total	1,077	-	986	-
	Total minus ill- defined causes	1,019	100	953	100

Source: Ministry of Health medical death certificates 2013- 2018

^a ICD-10 General mortality List 1 (103 causes) codes (Appendix 4)

^b percent distribution of deaths excludes ill-defined causes

8.14 Ten Leading Medically Certified Causes of Deaths (by ICD chapter) in Females, by three-year periods, 2013-2018.

Table 69: Ten Leading Medically Certified Causes of Deaths (by ICD chapter) in Females, by three-year periods, 2013-2018.

List code ^a	Disease category	2013-2015		2016-2018	
		Number of deaths	%	Number of deaths	%
51	Endocrine, nutritional, and metabolic diseases	204	27	199	27
64	Circulatory system diseases	185	24	188	25
26	Neoplasms	165	22	151	20
72	Respiratory diseases	67	9	54	7
1	Infectious and parasitic diseases	28	4	32	4
84	Genitourinary diseases	22	3	24	3
78	Digestive system diseases	24	3	22	3
95	External causes	20	3	21	3
82	Skin diseases	15	2	17	2
48	Blood- and immune-related diseases	10	1	13	2
	<i>All Other Causes</i>	26	3	21	3
94	Ill-defined conditions	50	-	44	-
	Total	816	-	786	-
	Total minus ill- defined causes	766	100	742	100

Source: Ministry of Health medical death certificates 2013- 2018

^a ICD-10 General mortality List 1 code (Appendix 4). ^b percent distribution of deaths excludes ill-defined causes

8.15 Cause-specific proportional mortality and mortality rates by ICD-10 (Infant and child mortality list 3) (deaths per 100,000 population), 2013-2018

Table 70: Cause-specific proportional mortality and mortality rates by ICD-10 (Infant and child mortality list 3) (deaths per 100,000 population),2013-2018

List code ^a	Disease category	2013 - 2018		
		Number of deaths	%	Cause-specific death rate
49	Congenital abnormalities	17	23	82.2
31	Respiratory diseases	13	18	62.8
1	Infectious and parasitic diseases	10	14	48.3
37	Perinatal conditions	8	11	38.7
26	Nervous system diseases	6	9	29
60	External causes	5	7	24.2
	Other categories	18	24	87
	Total	74	100	

8.16 Cause-specific proportional mortality and mortality rates by ICD-10 chapter (deaths per 100,000 population), 5-14 years of age (both sexes combined), 2013-2018.

Table 71: Cause-specific proportional mortality and mortality rates by ICD-10 chapter (deaths per 100,000 population), 5-14 years of age (both sexes combined), 2013-2018.

List code	Disease category	Number of deaths	%	Cause-specific death rate
95	External causes	9	35	13.9
72	Respiratory diseases	4	15	6.17
	Other categories	13	50	20.1
	Total	26	100	

Source: Ministry of Health medical death certificates 2013- 2018 ^aICD-10 General mortality List 1 code (Appendix 4)

Cause-specific proportional mortality and mortality rates for adult males aged 15-59 years by ICD chapter (deaths per 100,000 male population), by 3-year periods in 2013-2018.

Table 72: Cause-specific proportional mortality and mortality rates for adult males aged 15-59 years by ICD chapter (deaths per 100,000 male population), by 3-year periods in 2013-2018.

List code ^a	Disease category	2013-2015				2016-2018			
		No.	%	Crude rate	Age-Standardized Rate	No.	%	Crude rate	Age-Standardized Rate
64	Circulatory system diseases	92	26	142.7	123.2	89	25	144.6	126.3
51	Endocrine, nutritional, and metabolic diseases	64	18	99.3	85.7	79	23	128.3	112.1
95	External causes	46	13	71.3	61.6	58	17	94.2	82.3
26	Neoplasms	52	15	80.6	69.6	40	11	65	56.7
1	Infectious and parasitic diseases	26	7	40.3	34.8	20	6	32.5	28.4
72	Respiratory diseases	21	6	32.6		23	7	37.4	
78	Digestive system diseases	16	5	24.8		8	2	13	
84	Genitourinary diseases	9	3	14		10	3	16.2	
58	Nervous system diseases	9	3	14		8	2	13	
	Other cause categories	14	4	21.7		15	4	24.4	
94	Ill-defined conditions	10				4			
	Total	359				354			
	Total minus ill-defined causes	349	100			350	100		

Source: Ministry of Health medical death certificates 2013- 2018 ^a ICD-10 General mortality List 1 code (Appendix 4 – Tonga National Vital Statistics Report 2013 -2018)

^b excluding ill-defined causes^c age-standardised rates calculated for the five leading causes of death due to small numbers

8.17 Cause-specific proportional mortality and mortality rates for adult females aged 15-59 years by ICD chapter (deaths per 100,000 female population), by 3-year periods in 2013-2018.

Table 73: Cause-specific proportional mortality and mortality rates for adult females aged 15-59 years by ICD chapter (deaths per 100,000 female population), by 3-year periods in 2013-2018.

List code ^a	Disease category	2013-2015				2016-2018			
		No.	%	Crude rate	Age-Standardized Rate	No.	%	Crude rate	Age Standardized Rate
26	Neoplasms	75	34	114.1	119.6	78	32.5	125.9	113.3
51	Endocrine, nutritional, and metabolic diseases	45	20	68.4	71.8	66	27.5	106.6	95.9
64	Circulatory system diseases	35	16	53.2	55.8	38	15.8	61.4	55.2
84	Genitourinary diseases	10	5	15.2	15.9	13	5.42	21	18.9
1	Infectious and parasitic diseases	9	4	13.7	14.4	12	5	19.4	17.4
95	External causes	8	4	12.2		11	4.6	17.8	
72	Respiratory diseases	12	5	18.3		5	2.1	8.07	
78	Digestive system diseases	6	2.7	9.13		4	1.67	6.46	
48	Blood- and immune-related diseases	5	2.25	7.6		3	1.25	4.8	
	Other cause categories	17	7.66	25.9		10	4.17	16.1	
94	Ill-defined conditions	5				4			
	Total	227				244			
	Total minus ill-defined causes	222	100			240	100		

Source: Ministry of Health medical death certificates 2013- 2018 ^aICD-10 General mortality List 1 code (Appendix 4 of Tonga National Vital Statistics Report 2013-2018)

^b excluding ill-defined causes ^c age-standardized rates calculated for the five leading causes of death due to small numbers

8.18 Cause specific proportional mortality and mortality rates in Adult Males Aged 60 and Older by ICD-10 chapter (deaths per 100,000 male population), by 3-year periods in 2013-2018.

Table 74: Cause specific proportional mortality and mortality rates in Adult Males Aged 60 and Older by ICD-10 chapter (deaths per 100,000 male population), by 3-year periods in 2013-2018.

List code ^a	Disease category	2013-2015			2016-2018		
		No.	%	Crude rate	No.	%	Crude rate
064	Circulatory system diseases	213	33	2,362.8	179	31	2,105.7
051	Endocrine, nutritional, and metabolic diseases	129	20	1,431.0	129	23	1,517.5
072	Respiratory diseases	110	17	1,220.2	72	13	847
026	Neoplasms	89	14	987.3	78	14	917.6
078	Digestive diseases	20	3	221.9	24	4	282.3
084	Genitourinary diseases	13	2	144.2	23	4	270.6
001	Infectious and parasitic diseases	17	3	188.6	16	3	188.2
083	Musculoskeletal diseases	20	3	221.9	12		141.2
082	Skin diseases	9	1	99.8	15	3	176.5
095	External causes	11	2	122	11	2	129.4
	Other cause categories	11	2	122	14	2	164.7
094	Ill-defined conditions	47			29		
	Total	689			602		
	Total minus ill- defined causes	642	100		573	100	

8.19 Cause specific Mortality in Adult Females Aged 60 and Older by ICD-10 chapter (deaths per 100,000 female population), by 3-year periods in 2013-2018.

Table 75: Cause specific Mortality in Adult Females Aged 60 and Older by ICD-10 chapter (deaths per 100,000 female population), by 3-year periods in 2013-2018.

		2013-2015			2016-2018		
List code ^a	Disease category diseases	No.	%	Crude rate	No.	%	Crude rate
64	Circulatory system diseases	148	28	1,510	149	31	1,602
51	Endocrine, nutritional, and metabolic diseases	159	30	1,622	133	28	1,431
26	Neoplasms	89	17	908	73	15	785
72	Respiratory diseases	51	10	520	45	9	484
1	Infectious and parasitic diseases	17	3	174	18	4	194
78	Digestive system diseases	17	3	174	17	4	183
82	Skin diseases	13	2	133	12	2	129
84	Genitourinary diseases	11	2	112	11	2	118
95	External causes	8	2	82	8	2	86
	Other cause categories	10	2	102	18	4	193.6
94	Ill-defined conditions	44		-	39		-
	Total	567		-	523		-
	Total minus ill-defined causes	523	100	-	484	100	-

8.20 The ten leading causes of death by Island Groups in both sexes, 2013-2018.

Table 76: The ten leading causes of death by Island Groups in both sexes, 2013-2018.

List code ^a	Cause category	Tongatapu	Vava'u	'Eua	Ha'apai	Total
64	Circulatory system diseases	734	110	45	44	946
51	Endocrine, nutritional, and metabolic diseases	618	102	39	41	807
26	Neoplasms	459	80	17	20	580
72	Respiratory	250	59	18	27	356
95	External causes	133	27	7	6	175
1	Infectious and parasitic	111	25	5	6	147
78	Digestive system diseases	85	16	4	9	116
84	Genitourinary	84	10	1	6	101
82	Skin diseases	43	14	3	4	64
83	Musculoskeletal diseases	39	8	4		53
	<i>All other causes</i>	<i>104</i>	<i>18</i>	<i>8</i>	<i>4</i>	<i>135</i>
94	<i>Ill-defined</i>	<i>109</i>	<i>49</i>	<i>11</i>	<i>9</i>	<i>185</i>
	Total	2,769	518	162	176	3,665
	Total minus ill-defined causes	2,660	469	151	167	3,480

Source: Ministry of Health medical death certificates 2013- 2018

^aICD-10 General mortality List 1 code (Appendix 4)

8.21 Probability of dying (%) from selected NCD's between ages 30 and 69 years (inclusive) by sex, (2013-2018).

Table 77: Probability of dying (%) from selected NCD's between ages 30 and 69 years (inclusive)

Disease	Male		Female	
	2013-2015	2016-2018	2013-2015	2016-2018
Circulatory system diseases ^a	19.9	17	8.3	7.3
Diabetes mellitus ^b	14.1	14.7	13.8	15.2
Cancer ^c	12	7.4	13.9	10.7
Chronic lower respiratory diseased ^d	4.5	4	0.9	0.7
Total	50.4	42.8	36.9	33.9

Source: Ministry of Health medical death certificates 2013- 2018 ^a ICD-10 General Mortality List 1, code 064 ^b ICD-10 General Mortality List 1, code 052 ^c ICD-10 General Mortality List 1, codes 027 to 046 ^d ICD-10 General Mortality List 1, code 076

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Data source:

Section 1: Migration - Immigration Department, Customs

Section 2: Energy: Tonga Power Limited and Ministry of Revenue & Custom

Section 3: Crime – Ministry of Police, Fire and Emergency Services

Section 4: Rainfall and Temperature – Ministry of Meteorology, Information, Disaster Management, Climate Change, Environment and Communications

Section 5: Transport - Ministry of Infrastructure (Transport Section).

Section 6: Fire Statistics – Ministry of Police, Fire and Emergency Services (TFES)

Section 7: Education – Ministry of Education and Training

Section 8: Tonga National Vital Statistics Report 2013 - 2018