

**Table 1:** Average annual rates (all-cancer and gastric cancer) per 100,000 among Level 2 Pacific ethnicities in the 2008 APC diagnosed 1995–2022.

	2008 APC population	Total cancer cases	Annual crude rate per 100,000	Age-standardised rates			
				Total annual age-standardised rate per 100,000	Men (95% CI)	Women (95% CI)	Rate ratio (Men: Women; 95% CI)
<b>Full cancer registry</b>							
Pacific	340,560	13,134	137.7	201.7 (198.2–205.1)	198.7 (193.6–203.8)	208.8 (204.0–213.6)	1.0 (0.9–1.0)
Samoan	161,031	5,991	132.9	201.2 (196.1–206.3)	198.2 (190.7–205.7)	207.8 (200.7–214.8)	1.0 (0.9–1.0)
Cook Islands Māori	67,836	2,511	132.2	217.5 (209.0–226.0)	215.6 (202.8–228.3)	222.9 (211.3–234.5)	1.0 (0.9–1.0)
Tongan	64,554	2,349	130.0	217.7 (208.9–226.5)	205.4 (193.0–217.9)	235.0 (222.3–247.8)	0.9 (0.8–0.9)
Niuean	25,476	879	122.8	195.5 (182.5–208.4)	204.6 (184.4–224.8)	194.4 (177.0–211.7)	1.1 (0.9–1.2)
Tokelauan	6,963	240	123.0	192.4 (168.1–216.8)	178.4 (142.7–214.1)	207.3 (173.8–240.8)	0.9 (0.7–1.1)
Fijian	27,195	987	129.6	160.7 (150.7–170.8)	165.9 (250.4–181.4)	161.4 (147.9–174.9)	1.0 (0.9–1.2)
Other Pacific	13,140	516	140.2	206.1 (188.3–223.9)	187.2 (162.1–212.4)	224.8 (199.5–250.1)	0.8 (0.7–1.0)
<b>Gastric cancer cases</b>							
Pacific	-	492	5.2	8.0 (7.3–8.7)	9.5 (8.3–10.6)	6.7 (5.8–7.6)	1.4 (1.2–1.7)
Samoan	-	261	5.8	9.5 (8.4–10.7)	11.2 (9.4–13.0)	8.2 (6.7–9.7)	1.4 (1.1–1.7)
Cook Islands Māori	-	72	3.8	6.1 (4.7–7.5)	7.4 (5.1–9.8)	5.0 (3.3–6.7)	1.5 (0.9–2.4)
Tongan	-	84	4.6	7.8 (6.2–9.5)	10.5 (7.8–13.2)	5.4 (3.4–7.4)	1.9 (1.2–3.1)
Niuean	-	45	6.3	10.7 (7.6–13.9)	12.1 (7.3–16.9)	9.3 (5.3–13.3)	1.3 (0.7–2.3)

**Table 1 (continued):** Average annual rates (all-cancer and gastric cancer) per 100,000 among Level 2 Pacific ethnicities in the 2008 APC diagnosed 1995–2022.

				Age-standardised rates			
	2008 APC population	Total cancer cases	Annual crude rate per 100,000	Total annual age-standardised rate per 100,000	Men (95% CI)	Women (95% CI)	Rate ratio (Men: Women; 95% CI)
Tokelauan	-	6	4.6	6.4 (1.3–11.5)	4.0 (S–S)	7.8 (S–S)	0.5 (S–S)
Fijian	-	18	2.4	2.8 (1.5–4.1)	3.4 (1.2–5.6)	2.3 (0.8–3.8)	1.5 (0.6–3.7)
Other Pacific	-	15	4.1	6.1 (3.0–9.1)	6.1 (2.1–10.0)	5.9 (1.2–10.5)	1.0 (0.4–2.9)

APC = administrative population census; 95% CI = confidence interval; S = suppressed data due to counts under 6, in accordance with Stats NZ confidentiality requirements. Age-standardised to World Health Organization (2000–2025) Standard Population. Counts have been random rounded to base 3 according to Stats NZ Integrated Data Infrastructure confidentiality requirements. Crude rate based on rounded values. Age-standardised rates are based on unrounded values.

**Table 2:** One-to-5-year all-cause mortality rates for any diagnosed cancer from 1998 to 2017.

<b>Ethnicity</b>	<b>Individuals diagnosed</b>	<b>1-year mortality (95% CI)</b>	<b>2-year mortality (95% CI)</b>	<b>3-year mortality (95% CI)</b>	<b>5-year mortality (95% CI)</b>
All	370,518	25.3 (25.1–25.4)	33.0 (32.8–33.1)	37.6 (37.5–37.8)	44.1 (43.9–44.3)
Pacific	15,030	27.4 (26.7–28.1)	35.3 (34.6–36.1)	39.6 (38.8–40.4)	44.7 (43.9–45.5)
Samoan	6,654	27.6 (26.6–28.7)	35.4 (34.2–36.5)	39.6 (38.5–40.8)	44.7 (43.5–45.9)
Cook Islands Māori	2,937	27.7 (26.1–29.3)	35.4 (33.7–37.2)	39.7 (38.0–41.5)	45.5 (43.7–47.3)
Tongan	2,751	31.1 (29.4–32.8)	39.4 (37.5–41.2)	44.0 (42.1–45.9)	48.1 (46.2–50.0)
Niuean	1,017	31.6 (28.7–34.4)	40.1 (37.1–43.1)	45.7 (42.7–48.8)	50.7 (47.7–53.8)
Tokelauan	309	25.2 (20.4–30.1)	37.5 (32.1–42.9)	42.7 (37.2–48.2)	50.5 (44.9–56.1)
Fijian	1,497	17.5 (15.5–19.4)	24.0 (21.9–26.2)	27.3 (25.0–29.5)	32.5 (30.1–34.8)
Other Pacific	1,266	26.3 (23.9–28.7)	32.7 (30.1–35.3)	37.0 (34.3–39.6)	42.2 (39.5–44.9)
Realm	4,203	28.6 (27.2–29.9)	37.0 (35.5–38.4)	41.6 (40.1–43.1)	47.3 (45.8–48.8)

95% CI = 95% confidence interval.

Realm includes New Zealand Realm country ethnicities (Cook Islands Māori, Niuean, Tokelauan).

**Figure 1:** All-cause mortality among all cancer cases diagnosed from 1998 to 2007 and 2008 to 2017. Error bars represent 95% confidence intervals.



**Table 3:** Counts of individuals diagnosed with any cancer between 1998 and 2017 and who left New Zealand within the specified follow-up period without ever returning or having a death record.

Ethnicity	Total diagnosed	Total who left without record of return or death within specified period			
		1-year post-diagnosis	2-year post-diagnosis	3-year post-diagnosis	5-year post-diagnosis
All	370,518	1,845 (0.5%)	2,499 (0.7%)	3,021 (0.8%)	3,810 (1.0%)
Pacific	15,030	321 (2.1%)	417 (2.8%)	486 (3.2%)	573 (3.8%)
Samoan	6,654	159 (2.4%)	198 (3.0%)	222 (3.3%)	267 (4.0%)
Cook Islands Māori	2,937	57 (1.9%)	78 (2.7%)	90 (3.1%)	108 (3.7%)
Tongan	2,751	57 (2.1%)	69 (2.5%)	84 (3.1%)	96 (3.5%)
Niuean	1,017	9 (0.9%)	9 (0.9%)	12 (1.2%)	18 (1.8%)
Tokelauan	309	6 (1.9%)	9 (2.9%)	9 (2.9%)	12 (3.9%)
Fijian	1,497	27 (1.8%)	42 (2.8%)	54 (3.6%)	63 (4.2%)
Other Pacific	1,266	21 (1.7%)	27 (2.1%)	33 (2.6%)	39 (3.1%)
Realm	4,203	72 (1.7%)	99 (2.4%)	114 (2.7%)	135 (3.2%)

**Table 4:** Difference (increase) in 1–5-year all-cause mortality rates for any diagnosed cancer from 1998 to 2017 after removing individuals who left the country during the follow-up period without record of return or death.

<b>Ethnicity</b>	<b>1-year mortality rate difference</b>	<b>2-year mortality rate difference</b>	<b>3-year mortality rate difference</b>	<b>5-year mortality rate difference</b>
All	0.1%	0.2%	0.3%	0.5%
Pacific	0.6%	1.0%	1.3%	1.8%
Samoaan	0.7%	1.1%	1.4%	1.9%
Cook Islands Māori	0.5%	1.0%	1.2%	1.7%
Tongan	0.7%	1.0%	1.4%	1.7%
Niuean	0.3%	0.5%	0.7%	0.8%
Tokelauan	0.8%	0.9%	1.3%	1.6%
Fijian	0.3%	0.7%	1.0%	1.5%
Other Pacific	0.4%	0.7%	1.0%	1.3%
Realm	0.5%	0.9%	1.2%	1.6%

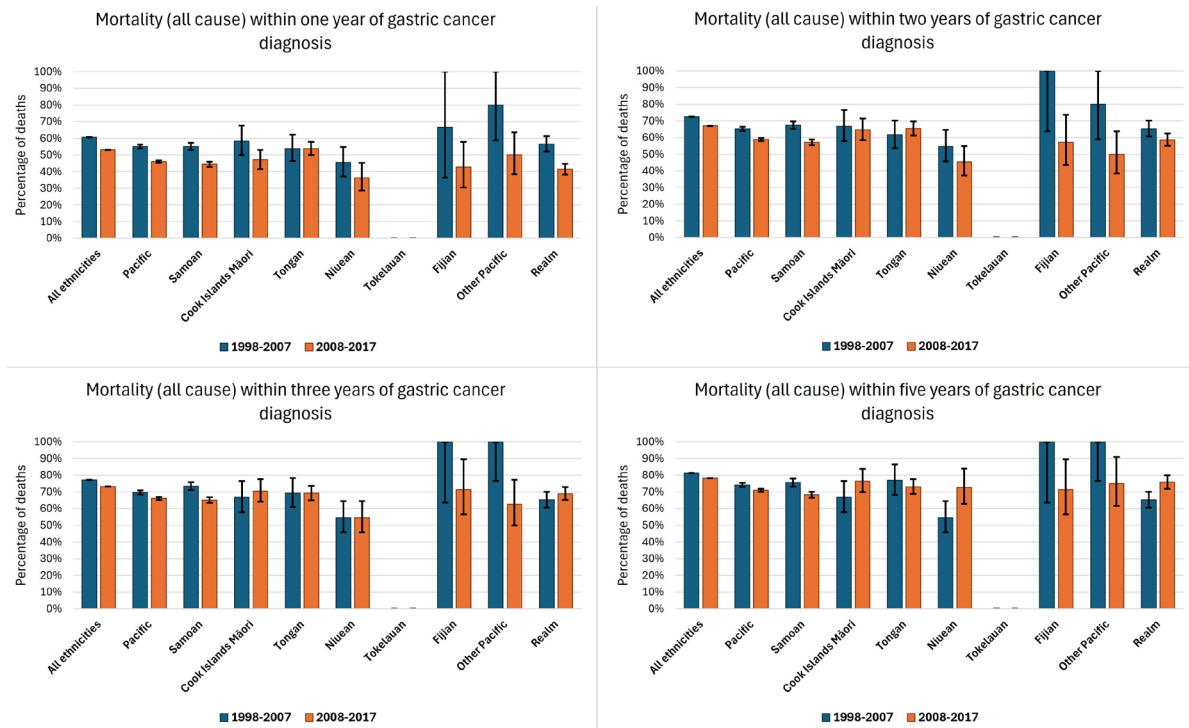
Percentage change reflects percentage point increase in mortality. Adjusted mortality rates with 95% confidence intervals are available in Appendix Table 2.

**Table 5:** One-to 5-year all-cause mortality rates for gastric cancer diagnoses from 1998 to 2017.

<b>Ethnicity</b>	<b>Individuals diagnosed</b>	<b>1-year mortality (95% CI)</b>	<b>2-year mortality (95% CI)</b>	<b>3-year mortality (95% CI)</b>	<b>5-year mortality (95% CI)</b>
All	7,686	56.8 (55.7–57.9)	69.6 (68.6–70.7)	75.1 (74.2–76.1)	79.8 (78.9–80.7)
Pacific	645	49.3 (45.4–53.2)	61.4 (57.6–65.2)	67.0 (63.3–70.6)	72.1 (68.6–75.6)
Samoaan	336	49.1 (43.8–54.5)	62.2 (57.0–67.3)	67.9 (62.9–72.9)	72.3 (67.5–77.1)
Cook Islands Māori	90	48.3 (38.0–58.6)	62.1 (52.0–72.1)	69.0 (59.4–78.5)	73.3 (64.2–82.5)
Tongan	120	51.2 (42.3–60.2)	62.5 (53.8–71.2)	67.5 (59.1–75.9)	72.5 (64.5–80.5)
Niuean	63	45.5 (33.2–57.8)	54.5 (42.2–66.8)	61.9 (49.9–73.9)	66.7 (55.0–78.3)
Tokelauan	9	S	S	S	S
Fijian	36	45.5 (29.2–61.7)	54.5 (38.3–70.8)	58.3 (42.2–74.4)	66.7 (51.3–82.1)
Other Pacific	42	57.1 (42.2–72.1)	60.0 (45.2–74.8)	71.4 (57.8–85.1)	78.6 (66.2–91.0)
Realm	156	47.1 (39.2–54.9)	59.6 (51.9–67.3)	66.0 (58.6–73.5)	73.1 (66.1–80.0)

95% CI = 95% confidence interval; S = suppressed data due to counts under 6, in accordance with Stats NZ confidentiality requirements.

**Figure 2:** All-cause mortality among gastric cancer cases diagnosed from 1998 to 2007 and 2008 to 2017. Note the error bars represent uncertainty intervals of estimates based on random rounding to base 3 for underlying counts—a requirement of Integrated Data Infrastructure data outputting.



**Table 6:** One-to-5-year mortality rates for gastric cancer diagnoses from 1995 to 2013 where gastric cancer was the underlying cause of death.

<b>Ethnicity</b>	<b>Individuals diagnosed</b>	<b>1-year mortality (95% CI)</b>	<b>2-year mortality (95% CI)</b>	<b>3-year mortality (95% CI)</b>	<b>5-year mortality (95% CI)</b>
All	7,251	59.7 (58.6–60.9)	71.9 (70.9–72.9)	77.2 (76.3–78.2)	81.5 (80.7–82.4)
Pacific	552	51.6 (47.5–55.8)	63.9 (59.9–67.9)	69.2 (65.3–73.0)	73.4 (69.7–77.1)
Samoaan	288	49.5 (43.7–55.3)	62.5 (56.9–67.9)	69.1 (63.7–74.4)	71.9 (66.7–77.1)
Cook Islands Māori	78	53.8 (42.8–64.9)	65.4 (54.8–75.9)	69.2 (59.0–79.5)	73.1 (63.2–82.9)
Tongan	99	51.5 (41.7–61.4)	64.7 (55.3–74.1)	69.7 (60.6–78.7)	75.8 (67.3–84.2)
Niuean	57	52.6 (39.7–65.6)	63.2 (50.6–75.7)	68.4 (56.4–80.5)	73.7 (62.3–85.1)
Tokelauan	S	S	S	S	S
Fijian	27	60.0 (41.5–78.5)	66.7 (48.9–84.4)	75.0 (58.7–91.3)	77.8 (62.1–93.5)
Other Pacific	42	53.3 (38.2–68.4)	57.1 (42.2–72.1)	66.7 (52.4–80.9)	78.6 (66.2–91.0)
Realm	135	54.5 (46.1–62.9)	66.7 (58.7–74.6)	70.5 (62.8–78.2)	75.6 (68.3–82.8)

95% CI = 95% confidence interval; S = suppressed data due to counts under 6, in accordance with Stats NZ confidentiality requirements.