



**THE TREASURY**  
Kaitohutohu Kaupapa Rawa

Reference: 20170318

19 October 2017

Antony Andrews  
[fyi-request-6596-5a7c461d@requests.fyi.org.nz](mailto:fyi-request-6596-5a7c461d@requests.fyi.org.nz)

Dear Antony Andrews

Thank you for your Official Information Act request, received on 26 September 2017.  
You requested:

*"I refer to your report on the following link  
<http://www.treasury.govt.nz/government/longterm/externalpanel/pdfs/ltfep-s4-01.pdf>*

*Page 6 of the report says "In real dollars per person, the amount spent on healthcare by government has risen from the equivalent of \$583 per person in 1950 to \$2,987 per person in 2011 (2011 dollars). As a share of GDP, that equates to an increase from 3.1% in 1950 to 6.9% in 2011"*

*Can I please request an updated figure on this, possibility from 1950 to 2015, in 2015 dollar?*

*Also could I please know the index used for 1950 and 2015 year."*

## Information Being Released

Please find enclosed the following documents:

Item	Date	Document Description	Decision
1.	May 2016	Long Term Health and GDP Growth	Release in full

I have decided to release the above document in full. Although it does not directly update the figures on share of GDP it provides the necessary data to calculate these figures. The spreadsheet includes where the information was sourced from. We do not hold any additional information for your request.

Please note that this letter (with your personal details removed) and enclosed documents may be published on the Treasury website.

1 The Terrace  
PO Box 3724  
Wellington  
New Zealand  
tel. 64-4-472 2733  
fax. 64-4-473 0982  
[www.treasury.govt.nz](http://www.treasury.govt.nz)

LONG TERM HEALTH AND GDP GROWTH

Year	CPI		Population data		Nominal health (\$m)		Nominal GDP (\$m)		Calculations		CHART	
	SNZ infoshare	All groups, Q4	SNZ long-term series	SNZ infoshare	Consolidated (in millions)	SNZ long-term series	Treasury fiscal time series	Consolidated	Nominal per capita (\$)	Real Per capital (\$)	Health	GDP
			Estimated resident mean %/e		Ch. D2.2	Ch. E1.1	Tab: Spending	Tab: Nominal GDP	2015 base	2015 base	1950 base	1950 base
1950	37.130374			1,927,629	1,928	35	1,107	1,107	580.01	18,528.99	0.0%	0.0%
1951	41.565858			1,970,522	1,971	38	1,408	1,407	554.95	20,594.03	-4.3%	11.1%
1952	43.48118			2,024,556	2,025	44	1,466	1,459	602.71	19,855.51	7.3%	7.3%
1953	45.900935			2,074,781	2,075	50	1,528	1,528	625.29	19,221.63	7.8%	3.7%
1954	47.009405			2,118,434	2,118	52	1,600	1,600	622.84	20,330.30	7.4%	9.7%
1955	48.185481			2,164,734	2,165	57	1,671	1,671	654.92	21,557.60	12.9%	16.3%
1956	50.405575			2,209,132	2,209	64	1,779	1,779	689.60	21,291.31	18.9%	14.9%
1957	51.318545			2,262,814	2,263	72	1,894	1,894	743.10	21,437.75	28.1%	15.7%
1958	54.634069			2,315,900	2,316	79	2,225	2,225	749.08	21,067.04	29.1%	13.7%
1959	55.258733			2,359,746	2,360	84	2,321	2,321	772.02	21,323.86	33.1%	15.1%
1960	56.123653			2,403,567	2,404	91	2,482	2,482	806.94	22,042.28	39.1%	19.0%
1961	57.32493			2,461,243	2,461	99	2,687	2,687	839.22	22,815.31	44.7%	23.1%
1962	58.526206			2,515,835	2,516	106	2,783	2,783	860.55	22,643.18	48.4%	22.2%
1963	59.823585			2,566,915	2,567	115	2,999	2,999	896.87	23,996.42	54.6%	26.8%
1964	62.514445			2,615,970	2,617	123	3,273	3,273	903.23	23,967.55	55.7%	29.4%
1965	64.004029			2,663,843	2,664	136	3,589	3,589	955.90	25,218.21	64.8%	36.1%
1966	65.311679			2,711,318	2,711	151	3,977	3,977	1,016.41	26,148.90	75.2%	41.1%
1967	69.811673			2,744,963	2,745	165	4,036	4,036	1,029.64	25,250.28	77.5%	36.3%
1968	73.328245			2,772,933	2,773	171	4,183	4,183	1,007.16	24,637.03	73.6%	33.0%
1969	76.261665			2,804,059	2,804	182	4,496	4,496	1,017.93	24,851.63	75.5%	34.1%
1970	83.84989			2,852,137	2,852	203	5,134	5,134	1,015.40	25,718.15	75.1%	38.8%
1971	91.501351			2,898,500	2,899	244	5,832	5,832	1,103.07	26,343.50	90.2%	42.2%
1972	96.456933			2,959,700	2,960	292	6,874	6,874	1,224.00	29,320.60	111.0%	58.2%
1973	106.29839			3,024,900	3,025	343	7,901	7,901	1,278.32	30,104.43	120.4%	62.5%
1974	119.64102			3,091,900	3,092	401	9,469	9,469	1,296.98	30,816.11	124.0%	63.8%
1975	138.02466			3,143,700	3,144	492	10,985	10,985	1,355.29	28,088.60	133.7%	51.8%
1976	160.07969			3,165,400	3,166	609	11,968	11,968	1,432.93	27,220.17	147.1%	46.9%
1977	184.00609			3,166,400	3,166	689	14,101	13,972	1,412.30	28,635.42	143.5%	54.5%
1978	203.32131			3,165,200	3,165	809	14,870	15,667	1,505.57	29,174.82	159.6%	57.5%
1979	236.84962			3,176,900	3,176	980	17,810	17,810	1,566.87	28,472.48	170.1%	53.7%
1980	275.06308			3,176,400	3,176	1,136	19,795	20,546	1,557.92	28,171.93	168.6%	52.6%
1981	318.24798			3,194,500	3,195	1,356	22,992	23,988	1,598.25	28,267.17	175.6%	52.8%
1982	366.93415			3,226,800	3,227	1,601	27,891	29,028	1,620.10	29,370.66	175.3%	58.5%
1983	380.13718			3,264,800	3,265	1,766	31,409	33,426	1,704.71	32,265.94	195.9%	74.1%
1984	415.87007			3,295,000	3,295	1,805	34,838	37,253	1,778.92	32,588.82	172.2%	75.9%
1985	479.52998			3,303,100	3,303	1,912	39,346	42,244	1,779.70	32,588.82	149.4%	72.5%
1986	566.78453			3,313,500	3,314	2,309	45,282	48,779	1,446.29	31,962.79	149.4%	72.5%
1987	621.14415			3,342,100	3,342	2,957	55,848	57,953	1,472.91	31,116.07	153.9%	67.9%
1988	650.41471			3,345,200	3,345	3,342	62,655	65,167	1,706.63	33,444.21	194.2%	80.5%
1989	697.24457			3,369,800	3,370	3,639	68,016	70,628	1,865.19	35,881.63	221.6%	93.7%
1990	731.06613			3,410,400	3,410	3,792	70,628	75,117	1,855.60	36,011.77	219.9%	94.4%
1991	738.22707			3,498,100	3,498	3,986	73,152	75,938	1,817.35	36,093.84	213.3%	94.8%
1992	747.97692			3,534,400	3,533	3,855	72,926	76,976	1,850.38	35,251.95	219.0%	90.3%
1993	758.88355			3,575,900	3,574	4,168	75,246	79,324	1,747.63	34,896.38	201.3%	88.3%
1994	779.61829			3,650,400	3,650	4,602	81,367	86,029	1,063.95	22,197.22	195.2%	99.2%
1995	802.36998			3,688,700	3,687	4,886	86,029	91,903	1,133.20	23,754.42	200.2%	97.0%
1996	822.84615			3,743,400	3,743	5,228	92,679	97,569	1,188.04	25,002.18	177.3%	97.0%
1997	829.71161			3,781,500	3,781	5,626	97,239	102,160	1,251.24	26,130.59	1,821.71	38,044.10
1998	832.70514			3,804,000	3,816	6,001	100,739	104,795	1,329.51	27,007.88	1,919.74	38,997.89
1999	836.93844			3,824,148	3,837	6,573	104,795	108,290	1,404.95	27,463.44	2,021.28	39,511.23
2000	870.21631			3,843,007	3,860	6,874	108,570	114,652	1,510.02	28,220.36	2,191.52	40,394.84
2001	886.0233			3,880,954	3,887	7,342	114,838	122,174	1,592.15	29,700.05	2,191.86	40,888.52
2002	910.14975			3,945,434	3,951	7,713	124,109	130,053	1,779.71	32,914.81	2,316.89	42,502.01
2003	924.49285			4,027,700	4,028	7,901	128,124	137,331	1,862.35	34,096.63	2,342.56	43,324.68
2004	949.95125			4,088,700	4,089	8,111	137,173	147,729	1,963.76	36,131.04	2,413.84	44,199.53
2005	979.20133			4,136,000	4,136	8,813	151,101	165,027	2,503.60	45,599.09	2,503.60	45,599.09
2006	1005			4,185,300	4,185	9,547	165,027	175,047	2,130.80	39,430.15	2,719.14	47,002.31
2007	1037			4,236,200	4,236	10,355	175,047	185,047	2,450.19	41,419.48	2,830.60	47,850.08

2008	1072	4,262,000	4,262	11,297	188,147	2,850.03	74,145.24	2,962.18	49,333.95	410.7%	166.3%
2009	1083	4,304,900	4,305	12,368	187,532	2,873.81	43,562.45	3,149.08	47,747.32	442.9%	157.7%
2010	1137	4,353,000	4,353	13,128	195,399	3,015.85	44,888.35	3,477.65	47,296.61	447.9%	155.3%
2011	1158	4,386,300	4,386	13,753	203,791	3,135.44	46,460.80	3,743.75	48,065.66	459.3%	159.4%
2012	1169	4,410,700	4,411	14,160	212,307	3,240.37	48,134.54	3,250.02	49,328.64	467.2%	166.2%
2013	1188	4,446,700	4,447	14,498	216,585	3,260.40	48,706.91	3,287.84	49,116.90	466.9%	165.1%
2014	1197	4,513,100	4,513	14,898	234,027	3,301.06	51,855.04	3,303.81	51,898.37	469.6%	180.1%
2015	1198	4,599,600	4,600	15,058	240,571	3,273.76	52,302.59	3,273.76	52,302.59	464.4%	182.3%

OFFICIAL INFORMATION ACT  
 RELEASED UNDER THE OFFICIAL INFORMATION ACT

OFFICIAL INFORMATION ACT  
RELEASÉ UNDER THE  
OFFICIAL INFORMATION ACT

