

Social Vulnerability Indicators for New Zealand 2018 (SVI2018): Indicators for natural hazards, pandemics and other emergencies

Heatmap of percentages, by District Health Board (DHB)



The darker orange colours represent the higher (and potentially more vulnerable) values for each indicator. Further indicator details can be found in the 'Indicator definitions' and metadata.

Geographic area	Population context										Social vulnerability indicators 2018 (percentages, %)																																				
	Population (counts)		Population density and rurality		Population - ethnic groups (total response) (%)					Children			Older adults			Pregnant women (proxy)	Having enough money to cope with crises and losses			Social connectedness			Awareness, knowledge and skills to cope with hazards and emergencies			Safe, secure and healthy housing			Enough food and water to cope with shortage			Occupation															
	Usually resident population	Number of households	Population density (people per sq km)	Population living in rural areas (%)	European	Māori	Pacific peoples	Asian	MELAA (Middle Eastern/Latin American/African)	0-4 years	0-14 years	5-14 years	Households with at least one child aged 0-4 years	Households with at least one child aged 0-14 years	65+ years	75+ years	85+ years	Households with an older adult (65+ years) living alone	0 years	Living in areas of high socioeconomic deprivation (NZDep2018 deciles 9-10)	Unemployed	Not in labour force	Single parent households	Households with no car	Living in rented dwelling	One-person households	Immigrant arrived in past year	Immigrant arrived in past 0-1 years	Doesn't speak English	Households with no cellphone	Households with no internet	Crowded households	People living in crowded households	Dwelling damp (always/sometimes)	Dwelling damp (always)	Dwelling mouldy (always/sometimes)	Dwelling mouldy (always)	Living in areas of high socioeconomic deprivation (NZDep2018 deciles 9-10)	Living in rented dwelling	Dwellings with no access to safe running water	Dwellings with no access to a fridge	Dwellings with no access to electricity	Healthcare and social assistance workers (among 15+ years)	Healthcare and social assistance workers (among employed 15+ years)	Primary industry workers (among 15+ years)	Primary industry workers (among employed 15+ years)	
Northern Region	Northland	179,076	64,251	14.1	51.3	73.1	36.0	4.2	3.9	0.5	6.5	21.0	14.5	12.0	27.3	19.6	7.7	2.0	13.3	1.3	42.8	5.2	37.1	9.2	5.4	32.1	25.3	0.6	1.2	0.9	10.0	19.9	5.9	11.7	27.6	4.5	22.4	6.2	42.8	32.1	4.0	3.0	1.9	6.8	11.8	6.4	11.1
	Waitematā	586,335	193,440	201.2	11.1	65.3	10.1	8.6	24.3	2.2	6.6	19.8	13.3	15.0	33.9	13.5	5.7	1.6	8.7	1.3	9.6	3.6	30.3	8.6	4.2	33.7	17.5	1.8	3.9	4.2	6.5	9.0	5.8	10.3	23.1	3.1	19.3	4.6	9.6	33.7	3.5	3.2	1.8	6.0	9.1	0.8	1.1
	Auckland	467,604	159,009	746.6	6.3	53.5	8.2	12.5	32.1	3.1	5.4	16.8	11.4	12.2	28.2	11.4	4.8	1.4	8.1	1.1	17.8	4.0	29.0	8.0	11.1	48.0	21.8	3.6	7.1	4.8	8.4	10.1	9.6	16.4	26.2	4.4	22.0	6.1	17.8	48.0	4.0	3.9	2.4	5.8	8.7	0.4	0.7
	Counties Manukau	537,633	150,702	189.0	8.1	41.7	16.3	25.3	28.2	1.6	7.5	23.0	15.5	18.0	39.5	11.0	4.4	1.1	6.9	1.5	36.6	4.7	31.4	10.1	4.8	41.0	14.7	1.4	3.1	5.7	7.5	13.0	12.1	21.3	25.6	4.6	22.8	6.5	36.6	41.0	5.0	4.5	2.9	5.1	8.0	1.3	2.0
Midlands Region	Waikato	405,558	144,243	19.1	27.2	73.7	23.9	4.6	10.0	1.2	6.8	21.1	14.3	13.3	29.8	15.9	6.7	1.8	11.2	1.3	27.6	4.5	32.3	8.9	5.5	37.1	23.5	1.1	2.3	1.6	8.5	16.5	5.1	9.6	23.4	3.2	18.7	4.8	27.6	37.1	3.2	3.5	1.6	6.3	10.0	6.4	10.1
	Lakes	109,080	38,886	12.3	21.0	67.8	36.6	4.7	7.9	0.5	6.8	21.8	14.9	13.0	29.9	16.0	6.5	1.7	11.8	1.3	34.6	5.1	30.6	9.4	5.6	36.4	24.6	1.2	2.4	1.4	7.7	16.9	6.0	11.7	23.5	3.8	18.9	5.1	34.6	36.4	2.2	3.5	1.6	6.1	9.5	5.8	9.0
	Bay of Plenty	240,183	87,105	24.9	20.7	76.8	25.7	3.0	6.4	0.8	6.4	20.4	14.0	12.1	28.5	19.6	8.6	2.3	12.9	1.3	21.5	4.0	34.2	8.5	4.5	31.9	23.1	1.0	2.1	1.3	7.8	14.6	4.7	9.4	18.8	2.5	15.2	3.8	21.5	31.9	1.9	2.6	1.4	6.6	10.7	5.5	8.9
	Tairāwhiti	47,517	16,410	5.7	27.3	58.1	52.9	4.5	2.8	0.4	7.5	23.7	16.2	14.1	32.0	15.5	6.3	1.8	12.7	1.4	49.3	5.2	32.7	12.6	7.8	40.6	25.6	0.5	1.0	1.4	12.7	21.9	7.7	14.9	26.4	4.1	21.3	5.8	49.3	40.6	3.8	3.5	1.8	7.2	11.6	11.6	18.6
	Taranaki	117,684	45,306	14.8	26.8	84.8	19.8	2.1	4.5	0.6	6.6	21.0	14.4	12.4	28.4	17.4	7.6	2.3	12.7	1.2	23.5	4.0	32.7	8.8	6.1	31.4	26.6	0.7	1.3	0.6	9.0	18.1	3.1	5.9	21.5	2.7	18.4	4.6	23.5	31.4	2.3	2.9	1.2	6.3	10.0	7.3	11.5
Central Region	Hawke's Bay	166,287	60,204	13.1	19.0	75.0	27.0	5.6	5.0	0.6	6.5	21.0	14.5	12.1	28.4	18.3	7.7	2.1	13.4	1.3	28.2	3.6	32.8	9.9	6.2	33.5	25.5	1.0	1.8	1.3	9.8	17.2	5.4	10.8	18.3	2.5	14.1	3.6	28.2	33.5	6.1	3.2	1.5	6.0	9.5	8.0	12.6
	Whanganui	64,599	25,281	6.7	21.3	78.5	27.4	4.0	3.7	0.4	6.4	20.2	13.8	11.0	25.1	19.5	8.5	2.4	15.5	1.3	40.9	4.7	35.9	9.7	7.8	33.2	31.4	0.6	1.1	0.9	11.4	22.2	3.9	8.3	23.4	3.3	17.7	4.5	40.9	33.2	3.8	3.3	1.5	7.1	12.0	6.9	11.6
	MidCentral	174,993	65,580	19.8	22.8	80.1	20.6	4.4	7.5	0.9	6.3	19.8	13.5	11.9	27.1	17.8	7.7	2.1	12.9	1.2	26.6	4.4	34.4	9.2	7.0	33.0	26.4	0.9	1.7	1.3	9.1	17.2	3.8	7.6	20.4	2.4	15.9	3.8	26.6	33.0	3.6	3.1	1.2	7.1	11.6	5.4	8.8
	Hutt Valley	148,509	53,034	162.3	2.5	71.6	17.6	9.8	13.2	1.4	6.6	20.0	13.4	13.8	31.2	14.0	6.1	1.7	10.7	1.3	20.2	4.6	29.8	9.8	8.5	32.0	23.5	1.0	2.1	2.1	7.1	13.2	5.7	10.3	22.8	2.9	17.3	4.3	20.2	32.0	2.5	2.9	1.5	6.1	9.3	0.3	0.4
	Capital and Coast	303,987	110,802	409.6	1.2	74.1	11.6	8.7	14.5	2.4	5.6	17.7	12.2	11.8	28.0	13.1	5.6	1.6	9.4	1.1	11.5	4.6	27.3	7.6	12.1	37.8	23.0	1.9	3.8	1.9	6.0	8.9	5.1	9.1	22.2	3.1	17.3	4.6	11.5	37.8	1.7	2.4	1.2	6.3	9.2	0.3	0.5
	Wairarapa	45,327	17,913	7.7	29.7	87.5	18.0	3.1	3.2	0.3	5.9	19.0	13.1	10.5	25.0	21.5	8.9	2.3	14.6	1.2	15.5	3.2	33.8	7.9	5.9	27.9	27.4	0.4	1.1	0.5	10.0	17.2	2.9	6.0	16.8	1.8	12.0	2.7	15.5	27.9	2.9	2.4	1.3	6.7	10.6	8.8	14.0
Southern Region	Nelson Marlborough	150,612	58,041	7.3	25.7	89.1	10.8	2.3	4.6	0.7	5.2	17.8	12.6	10.0	25.3	20.8	8.5	2.3	13.1	1.0	10.1	2.6	32.9	7.5	4.7	27.8	24.4	1.3	2.3	0.8	8.3	14.4	3.2	6.1	14.4	1.3	10.2	2.1	10.1	27.8	2.4	2.4	1.3	6.1	9.5	7.9	12.2
	West Coast	31,575	13,503	1.3	45.0	90.5	11.7	1.5	3.4	0.5	5.5	17.7	12.2	8.7	21.6	19.6	7.7	1.9	14.3	1.2	25.0	3.2	33.0	7.5	7.1	32.0	33.0	0.9	1.6	0.4	14.9	23.5	2.2	4.4	23.2	3.0	15.3	3.9	25.0	32.0	6.1	3.7	2.1	6.1	9.6	7.0	11.0
	Canterbury	539,631	200,694	19.4	14.3	81.6	9.5	3.3	11.8	1.3	5.8	18.3	12.4	11.9	27.6	15.4	6.7	2.0	10.7	1.2	11.0	3.3	29.8	7.8	5.8	32.7	23.5	1.5	3.2	1.6	7.4	12.9	3.8	7.0	16.3	1.8	10.5	2.4	11.0	32.7	2.0	3.0	1.5	6.3	9.4	3.5	5.2
	South Canterbury	58,977	24,270	4.3	30.5	90.1	8.7	1.7	4.8	0.7	5.5	17.7	12.2	9.8	23.0	21.5	9.5	2.6	13.9	1.1	12.5	2.4	33.0	6.9	5.7	29.0	27.6	1.0	1.9	0.5	9.5	18.8	2.2	4.2	17.1	1.8	11.0	2.3	12.5	29.0	3.5	2.3	1.2	5.8	8.9	9.4	14.6
	Southern	324,405	125,028	4.8	25.0	86.8	10.5	2.7	6.6	1.4	5.5	17.6	12.1	10.6	25.0	16.6	7.2	2.1	12.2	1.1	14.0	3.2	30.6	7.2	6.9	31.6	26.5	1.8	3.4	0.7	8.4	15.8	2.9	5.5	18.1	1.9	12.1	2.8	14.0	31.6	2.5	2.5	1.4	6.3	9.5	7.1	10.7
Total	Total New Zealand	4,699,755	1,653,792	17.6	16.3	70.2	16.5	8.1	15.1	1.5	6.3	19.6	13.4	12.8	29.5	15.2	6.4	1.8	10.7	1.2	21.1	4.0	31.3	8.6	6.6	35.5	22.7	1.6	3.2	2.5	8.1	13.9	5.7	10.8	21.5	3.0	16.9	4.3	21.1	35.5	3.2	3.2	1.7	6.1	9.5	3.8	5.9

Note: Social vulnerability indicators as at December 2021, using data from the 2018 Census of Population and Dwellings (StatsNZ) and the NZ Index of Deprivation (University of Otago). For more information on the indicators, see the EHINZ website: