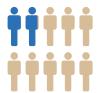
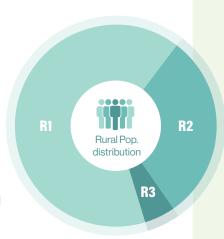


## **POPULATION**

**19%** of the New Zealand population live in rural areas(1)



81% of the New Zealand population live in areas U1 and U2



R1 - 65%

total population: 576,093

19% are Māori

50% are Female

19% are over 65 years old

**R2 - 30%** 

total population: 268,344

30% are Māori

49% are Female

20% are over 65 years old

**R3 - 5%** 

total population: 44,217

36% are Māori

48% are Female

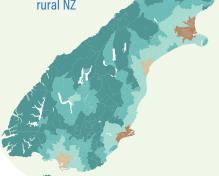
19% are over 65 years old

## **Geographic** Classification for Health (GCH)

The Geographic Classification for Health (GCH) is a rural:urban classification that categorises all of NZ into two urban (U1, U2) and three rural (R1, R2, R3) categories based on population size and travel time thresholds that reflect increasing rurality and remoteness from a health perspective. (3)



People live in rural NZ



Population size thresholds U1 (≥100,000)

U2 (30,000 - 99,999)

R1 (10,000 - 29,000)

R2 (1,000 - 9,999)

R3 (≤999)

Māori

#### **Female**





**50%** Rural

50% Urban

## **Over 65 years**



14% Urban

#### NZDep Quintile 5°



25% Rural

20% Urban



Māori who are under 30 years old, living in remote areas (R3) are

22%

Rural

15%

Urban

## twice as likely to die from a preventable cause

as Māori living in a large city (U1) (8)



Non-Māori aged 30 to 44 years in more rural areas (R2 and R3) are

## 1.8 times as likely to die from a preventable cause

compared to Non-Māori in large cities. (8)



Suicides for males are considerably higher in rural areas. For 15-44 year olds the

rural suicide rate is 64% higher than the urban rates.

overwhelmingly related to firearms. (9)



Increasing rurality is associated with an increasing gap between Māori and Non-Māori mortality rates. In our most remote communities the age standardised

mortality rate is  $2.5 \times$ 

the Non-Māori rate. (8)



## **ETHNICITY & AGE**



people live rurally







There are large and growing Pacific populations in some rural communities across NZ such as Oamaru, Ashburton and Tokoroa. (4)



33% of older Māori live in rural areas



24% of older non-Māori live in rural areas



Live in R3 rural areas (4)

## Over 65 years of age



#### Young adults 15-29 years



Rural populations are older and have less young adults aged between 15 and 29 years old living in them.<sup>(4)</sup>

## Over 75 years of age

living outside U1 areas (4)

60% of Māori 49% of European

Significantly more older Māori live outside large cities.  $^{(4)}$ 

## **ECONOMICS & GEOGRAPHY**





Successive governments have ambitious trade targets of **doubling exports in 10 years.** Primary industry production is a significant contributor to achieving this. Healthy vibrant rural communities are essential to increasing primary industry production.

#### **Primary Industries Produce:**



**81.9%** 

of New Zealand's trade exports (June 2023)



10.5%

of GDP (June 2022)



13.1%

of New Zealand's workforce are employed in either the production of, or manufacturing of goods produced in the food and fibre sector (March 2021)<sup>(2)</sup>

## **SOCIAL DETERMINANTS OF HEALTH**

## **Social and Economic Deprivation**

## Social and economic deprivation quintile 5\* (Q5):

There is a substantial overlap of rurality and socioeconomic deprivation which is also strongly connected to ethnicity.

**19%** of New Zealanders living in U1 live within Q5 **37%** of Māori living in U1 live within Q5



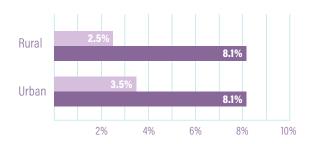
**39%** of New Zealanders living in R3 live within Q5 **73%** of Māori living in R3 live within Q5



## **Employment and income**

#### **Unemployment rates**

Overall, unemployment rates are slightly lower in rural areas compared to urban areas but in rural areas, Māori have a much higher rate of unemployment than non-Māori. (4)





#### Income over \$70,000

Both Māori and non-Māori living in remote areas are roughly half as likely to report a high income than those living in urban areas. (4)



#### Income under \$20,000

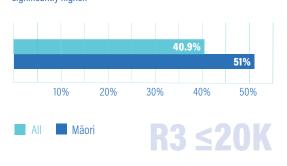
Low income rates are similar across urban and rural areas for the entire population but rural Māori have a higher rate of low income than urban Māori. (4)

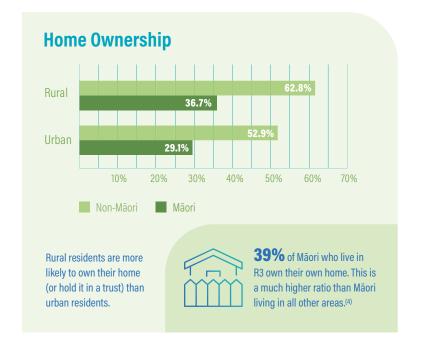
Note: Under \$20k is considered low, and over \$70k high. There is no analysis for income over \$70k.



## Income under \$20,000 in remote R3 areas

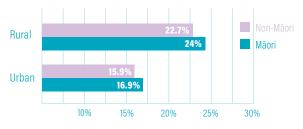
The rates of people living in remote, R3 areas who report having an income under \$20,000, are very high, but the rates for Māori are significantly higher.



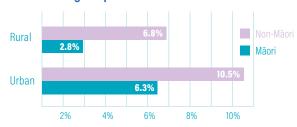


## **Education**

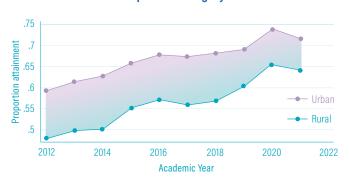
### No formal qualifications



#### **Bachelor or higher qualifications**



#### Level 3 NCEA attainment per GCH category



Rural people are substantially more likely to have no formal qualifications, and Bachelors or higher degrees are much less common in rural areas. (4)

The rate of rural origin students enrolled in medical school is less than half that of students from urban areas.  $^{(6)}$ 

Rural secondary school students collectively have much lower Level 3 NCEA results than urban students. It is likely that this means they have greater difficulty entering competitive medical and other professional programmes of study. (5)

## **Telecommunications**

#### Access to a cellphone

## U1 85.5% R3 64.6%

# DO HAI



Internet connectivity



2.5%
of rural households have no access to telecommunications

Almost all NZ households have access to at least one form of telecommunication but rates of connectivity reduce significantly in rural areas compared with urban.<sup>(4)</sup>

## **HEALTH RISK FACTORS**

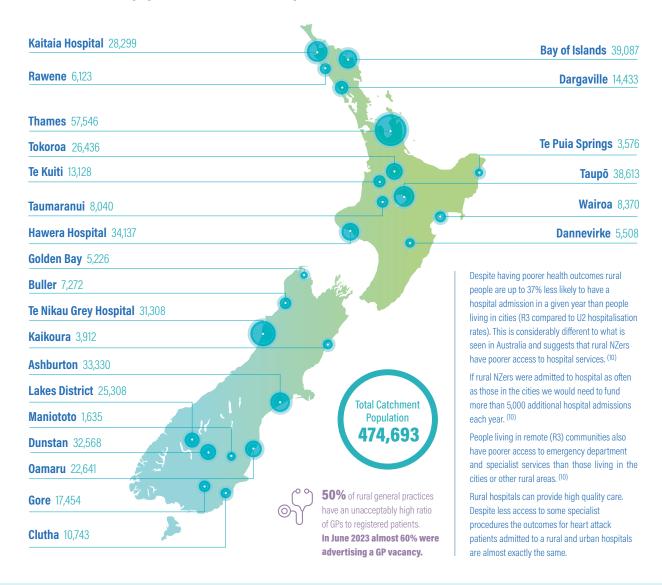
Compared to urban residents, people living in rural areas were more likely to be regular or ex-smokers. (4)





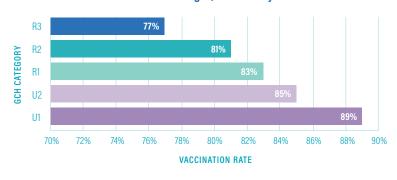
## **RURAL HOSPITALS**

### **Indicative catchment populations of 24 rural hospitals**



### **COVID-19 Vaccination Rates**

#### **COVID-19 Vaccination Rates - All ages, all ethnicity**





Overall rural vaccination rates lagged behind urban rates, with the widest gaps seen in those aged 12 - 44 years. (11)

There is a clear gradient of lower vaccination rates with increasing rurality.

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