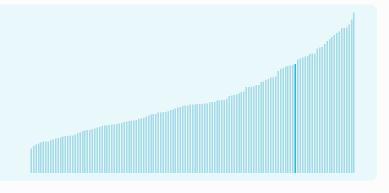


# New Zealand ranking in the Global Innovation Index 2024

New Zealand ranks 25th among the 133 economies featured in the GII 2024.

The Global Innovation Index (GII) ranks world economies according to their innovation capabilities. Consisting of roughly 80 indicators, grouped into innovation inputs and outputs, the GII aims to capture the multi-dimensional facets of innovation.



New Zealand ranks 24th among the 51 high-income group economies.



New Zealand ranks 7th among the 17 economies in South East Asia, East Asia, and Oceania.



### > New Zealand GII Ranking (2020-2024)

The table shows the rankings of New Zealand over the past four years. Data availability and changes to the GII model framework influence year-on-year comparisons of the GII rankings. The statistical confidence interval for the ranking of New Zealand in the GII 2024 is between ranks 25 and 31.

| Year | GII Position | Innovation Inputs | Innovation Outputs |
|------|--------------|-------------------|--------------------|
| 2020 | 26th         | 19th              | 33rd               |
| 2021 | 26th         | 19th              | 32nd               |
| 2022 | 24th         | 23rd              | 28th               |
| 2023 | 27th         | 24th              | 31st               |
| 2024 | 25th         | 21st              | 34th               |

New Zealand performs worse in innovation outputs than innovation inputs in 2024.

This year New Zealand ranks 21st in innovation inputs. This position is higher than last year.

New Zealand ranks 34th in innovation outputs. This position is lower than last year.

New Zealand has no clusters in the top 100 S&T clusters of the Global Innovation Index.



### > Global Innovation Tracker

The Global Innovation Tracker 2024 shows what is the current state of innovation in New Zealand, how rapidly is technology being embraced and what are the resulting societal impacts.



For New Zealand, 7 indicators have improved in the short-term and 5 indicators have worsened.

### Science and innovation investment

| Scientific publications | R&D investments | Venture        | Venture capital |             |  |
|-------------------------|-----------------|----------------|-----------------|-------------|--|
|                         |                 | Deal numbers   | Deal values     |             |  |
| <b>▼ -14.3%</b>         | <b>▲ 4%</b>     | ▼-34.5%        | ▲ <b>9.6%</b>   | ▼-8.2%      |  |
| 2022 - 2023             | 2019 - 2021     | 2022 - 2023    | 2022 - 2023     | 2022 - 2023 |  |
| <b>▲ 1.4%</b>           | <b>▲ 4.8%</b>   | ▲ <b>19.6%</b> | <b>▲ 7.8%</b>   | ▼ -0.9%     |  |
| 2013 - 2023             | 2011 - 2021     | 2013 - 2023    | 2013 - 2023     | 2013 - 2023 |  |

### Technology adoption

| Safe sanitation                         | Conne                                   | ectivity                                | Robots                       | Electric vehicles               |
|---|---|---|------------------------------|---------------------------------|
|   | Fixed broadband                         | 5G                                      |                              |                                 |
| ▲ <b>0.1%</b><br>2021 - 2022            | ▲ <b>2.3%</b><br>2021 - 2022            | n/a                                     | ▲ <b>2.7%</b><br>2021 - 2022 | <b>▲ 53.8%</b> 2022 - 2023      |
| ▲ <b>0.1%</b><br>2012 - 2022            | <b>▲ 2.2%</b><br>2012 - 2022            |   | ▲ <b>8.4%</b><br>2012 - 2022 | ▲ <b>101.2%</b><br>2013 - 2023  |
| <b>88.7</b> per 100 inhabitants in 2022 | <b>35.9</b> per 100 inhabitants in 2022 | <b>17.5</b> per 100 inhabitants in 2022 |                              | 2.8 per 100 inhabitants in 2023 |

### Socioeconomic impact

| Labor productivity            | Life expectancy              | Temperature change |
|-------------------------------|------------------------------|--------------------|
| <b>▼ -2.2%</b><br>2022 - 2023 | ▲ <b>0.7%</b><br>2021 - 2022 | ▲ 1.1°C<br>2023    |
| ▲ 0.5%<br>2013 - 2023         | ▲ <b>0.2%</b><br>2012 - 2022 | n/a                |
| <b>96,633</b><br>USD in 2023  | <b>82.8</b><br>years in 2022 |                    |

Notes: Not all indicators of the Global Innovation Tracker are used to calculate the Global Innovation Index. Long-term annual growth refers to the compound annual growth rate (CAGR) over the indicated period. For each variable, a one-year growth rate is set for the short run, and ten-year CAGR is set for the long run; time windows might differ when gaps exist in data availability. The end period corresponds to the most recent available observation, which may differ among countries. Temperature change is an exception: it indicates the change in degrees Celsius with respect to the average temperature in the country from 1951–1980. Figures are rounded.

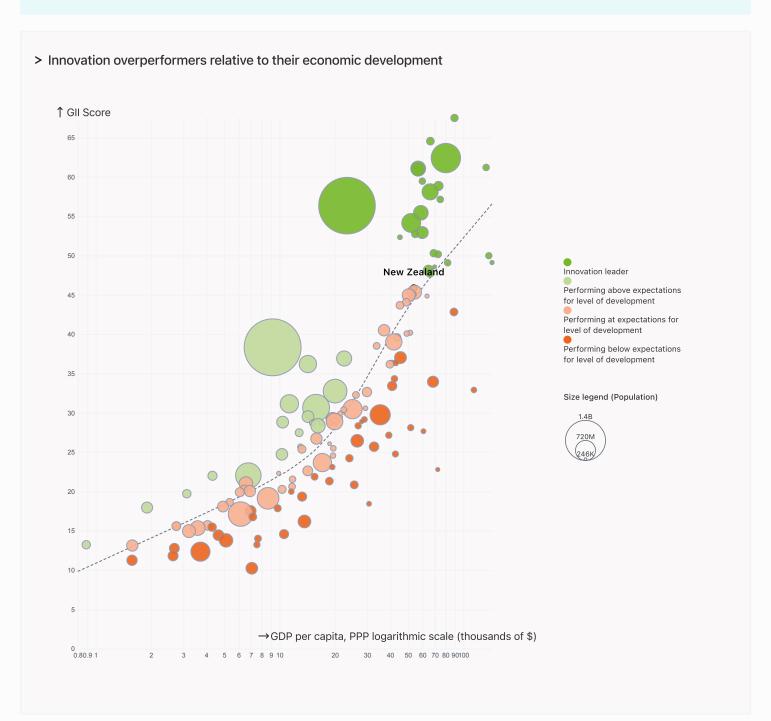


### Expected vs. observed innovation performance

The bubble chart below shows the relationship between income levels (GDP per capita) and innovation performance (GII score). The trend line gives an indication of the expected innovation performance according to income level. Economies appearing above the trend line are performing better than expected and those below are performing below expectations.



New Zealand is an innovation leader, ranking in the top 25 of the GII.



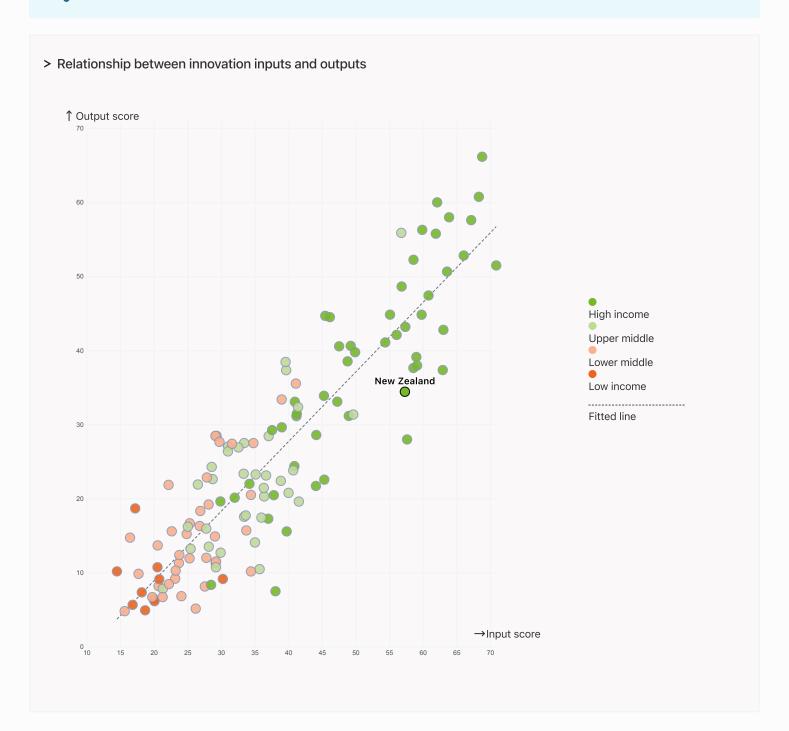


# Effectively translating innovation investments into innovation outputs

The chart below shows the relationship between innovation inputs and innovation outputs. Economies above the line are effectively translating costly innovation investments into more and higher-quality outputs.



New Zealand produces less innovation outputs relative to its level of innovation investments.





# Overview of New Zealand's rankings in the seven areas of the GII in 2024

The chart shows the ranking for each of the seven areas that the GII comprises. The strongest areas for New Zealand are those that rank above the GII (shown in blue) and the weakest are those that rank below.



### Highest rankings



New Zealand ranks highest in Institutions (7th), Infrastructure (12th), Business sophistication (20th) and Human capital and research (23rd).

### Lowest rankings



New Zealand ranks lowest in Knowledge and technology outputs (45th), Market sophistication (34th) and Creative outputs (31st).

The full WIPO Intellectual Property

Statistics profile for New Zealand can be found on this link.



# Benchmark of New Zealand against other economy groupings for each of the seven areas of the GII Index

The charts shows the relative position of New Zealand (blue bar) against other economy groupings (grey bars), for each of the seven areas of the GII Index.



#### High-Income economies

New Zealand performs above the high-income group average in Institutions, Human capital and research, Infrastructure, Business sophistication, Creative outputs.



### South East Asia, East Asia, And Oceania

New Zealand performs above the regional average in Institutions, Human capital and research, Infrastructure, Business sophistication, Creative outputs.

Institutions Human capital and research Infrastructure New Zealand | Score: 82.87 Top 10 | Score: 61.30 Top 10 | Score: 58.57 Top 10 | Score: 80.81 New Zealand | Score: 49.78 New Zealand | Score: 56.38 High income | Score: 67.41 High income | Score: 46.99 High income | Score: 51.96 SEAO | Score: 59.26 SEAO | Score: 39.09 SEAO | Score: 45.67 Market sophistication **Business sophistication** Knowledge and technology outputs Top 10 | Score: 62.12 Top 10 | Score: 63.64 Top 10 | Score: 57.29 SEAO | Score: 45.28 New Zealand | Score: 52.89 High income | Score: 35.79 High income | Score: 44.90 High income | Score: 44.71 SEAO | Score: 29.72 New Zealand | Score: 44.78 **SEAO** | Score: 39.01 New Zealand | Score: 28.50 Creative outputs

Creative outputs

Top 10 | Score: 56.54

New Zealand | Score: 40.27

High income | Score: 39.44

SEAO | Score: 33.06



### Innovation strengths and weaknesses in New Zealand

The table below gives an overview of the indicator strengths and weaknesses of New Zealand in the GII 2024.



New Zealand's main innovation strengths are **Regulatory quality\*** (rank 3), **Operational stability for businesses\*** (rank 4) and **School life expectancy, years** (rank 4).

### Strengths Weaknesses

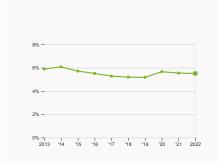
| Rank | Code  | Indicator name                           | Rank | Code  | Indicator name                                 |
|------|-------|--|------|-------|--|
| 3    | 1.2.1 | Regulatory quality*                      | 83   | 6.2.1 | Labor productivity growth, %                   |
| 4    | 1.1.1 | Operational stability for businesses*    | 78   | 4.3.2 | Domestic industry diversification              |
| 4    | 2.1.3 | School life expectancy, years            | 75   | 2.1.5 | Pupil-teacher ratio, secondary                 |
| 5    | 5.1.2 | Firms offering formal training, %        | 70   | 5.3.4 | FDI net inflows, % GDP                         |
| 6    | 3.1.4 | E-participation*                         | 69   | 6.2.4 | High-tech manufacturing, %                     |
| 6    | 3.1.3 | Government's online service*             | 67   | 7.2.4 | Creative goods exports, % total trade          |
| 7    | 1.2.2 | Rule of law*                             | 62   | 2.2.2 | Graduates in science and engineering, %        |
| 8    | 4.3.1 | Applied tariff rate, weighted avg., %    | 61   | 2.1.2 | Government funding/pupil, secondary, % GDP/cap |
| 9    | 4.1.2 | Domestic credit to private sector, % GDP | 54   | 7.2.2 | National feature films/mn pop. 15–69           |
| 12   | 5.3.3 | ICT services imports, % total trade      | 49   | 6.2.2 | Unicorn valuation, % GDP                       |



### New Zealand's innovation system

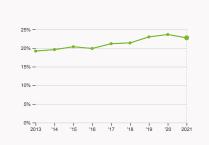
As far as practicable, the plots below present unscaled indicator data.

### > Innovation inputs in New Zealand



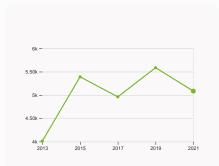
#### 2.1.1 Expenditure on education

was equal to 5.51 % GDP in 2022, down by 0.04 percentage points from the year prior – and equivalent to an indicator rank of 27.



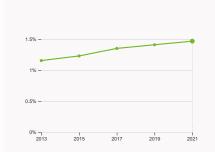
# 2.2.2 Graduates in science and engineering

was equal to 22.74 % of total graduates in 2021, down by 0.89 percentage points from the year prior – and equivalent to an indicator rank of 62.



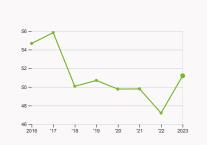
#### 2.3.1 Researchers

was equal to 5084.38 FTE per million population in 2021, down by 8.98% from the year prior – and equivalent to an indicator rank of 19.



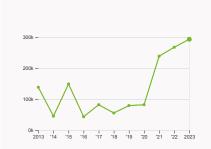
### 2.3.2 Gross expenditure on R&D

was equal to 1.47 % GDP in 2021, up by 0.06 percentage points from the year prior – and equivalent to an indicator rank of 27.



### 2.3.4 QS university ranking

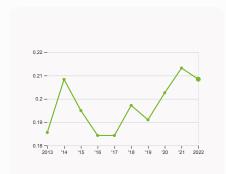
was equal to an average score of 51.2 for the top three universities in 2023, up by 8.47% from the year prior – and equivalent to an indicator rank of 19.



### 4.2.4 VC received, value

was equal to 292.85 thousand USD in 2023, up by 9.64% from the year prior – and equivalent to an indicator rank of 50.



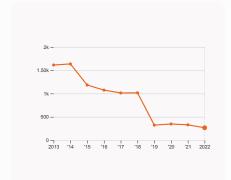


#### 4.3.2 Domestic industry diversification

was equal to an index score of 0.21 in 2022, down by 2.24% from the year prior – and equivalent to an indicator rank of 78.

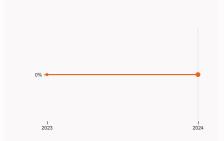


### > Innovation outputs in New Zealand



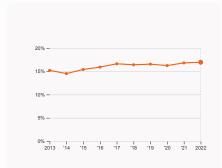
#### 6.1.1 Patents by origin

was equal to 267 patents in 2022, down by 19.09% from the year prior – and equivalent to an indicator rank of 60.



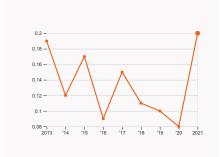
#### 6.2.2 Unicorn valuation

was equal to 0 % GDP in 2024 with no change from the year prior – and equivalent to an indicator rank of 49.



#### 6.2.4 High-tech manufacturing

was equal to 16.93 % of total manufacturing output in 2022, up by 0.13 percentage points from the year prior – and equivalent to an indicator rank of 69.



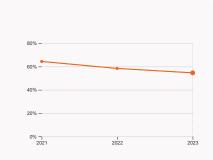
### 6.3.2 Production and export complexity

was equal to a score of 0.2 in 2021, up by 150% from the year prior – and equivalent to an indicator rank of 52.



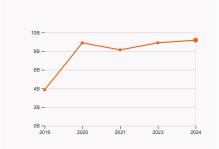
### 6.3.3 High-tech exports

was equal to 1.29 billion USD in 2022, up by 3.2% from the year prior – and equivalent to an indicator rank of 61.



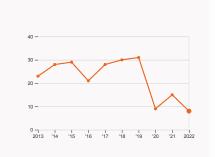
#### 7.1.1 Intangible asset intensity

was equal to 54.63 % for the top 15 companies in 2023, down by 3.77 percentage points from the year prior – and equivalent to an indicator rank of 39.



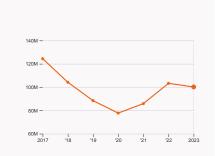
#### 7.1.3 Global brand value

was equal to 9.18 billion USD for the brands in the top 5,000 in 2024, up by 3.15% from the year prior – and equivalent to an indicator rank of 37.



### 7.2.2 National feature films

was equal to 8 films in 2022, down by 46.67% from the year prior – and equivalent to an indicator rank of 54.



#### 7.3.3 Mobile app creation

was equal to 100.17 million global downloads of mobile apps in 2023, down by 3.01% from the year prior – and equivalent to an indicator rank of 52.



### New Zealand's innovation top performers

### 2.3.3 Global corporate R&D investors from New Zealand

| Rank | Firm                       | Industry                         | R&D      | R&D Growth | R&D Intensity |
|------|----------------------------|----------------------------------|----------|------------|---------------|
|      |                            |                                  | [mn EUR] | [%]        | [%]           |
| 729  | XERO                       | Software & Computer Services     | 252      | 24         | 30            |
| 1476 | FONTERRA CO-OPERATIVE      | Food Producers                   | 106      | -8         | 0.8           |
| 1505 | FISHER & PAYKEL HEALTHCARE | Health Care Equipment & Services | 104      | 13         | 11            |

Source: European Commission's Joint Research Centre (https://iri.jrc.ec.europa.eu/scoreboard/2022-eu-industrial-rd-investment-scoreboard). Note: European Commission's Joint Research Centre ranks the top 2,500 firms by R&D investment annually.

### 2.3.4 QS university ranking of New Zealand's top universities

| Rank | University                 | Score |
|------|----------------------------|-------|
| 68   | THE UNIVERSITY OF AUCKLAND | 68.00 |
| 206  | UNIVERSITY OF OTAGO        | 45.00 |
| 239  | MASSEY UNIVERSITY          | 40.60 |

Source: QS Quacquarelli Symonds Ltd (https://www.topuniversities.com/university-rankings/world-university-rankings/2023). Note: QS Quacquarelli Symonds Ltd annually assesses over 1,200 universities across the globe and scores them between [0,100]. Ranks can represent a single value "x", a tie "x=" or a range "x-y".

### 7.1.1 Top 15 intangible-asset intensive companies in New Zealand

| Rank | Firm   | Intensity, % |
|------|--|--------------|
| 1    | XERO LIMITED                                   | 99.41        |
| 2    | FISHER & PAYKEL HEALTHCARE CORPORATION LIMITED | 85.53        |
| 3    | SPARK NEW ZEALAND LIMITED                      | 77.09        |

Source: Brand Finance (https://brandirectory.com/reports/gift-2022). Note: Brand Finance only provides within economy ranks.

### 7.1.3 Top 5,000 companies in New Zealand with highest global brand value

| Rank | Brand    | Industry | Brand Value, mn USD |
|------|----------|----------|---------------------|
| 1    | ANLENE   | Food     | 1,514.7             |
| 2    | ANCHOR   | Food     | 1,448.5             |
| 3    | ASB BANK | Banking  | 713.6               |



Source: Brand Finance (https://brandirectory.com). Note: Rank corresponds to within economy ranks.



GII 2024 rank

**25** 

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# **New Zealand**

| Output rank   | Input rank                        | Income | Regi             | on       |            | Population (mn)  | GDP, PPP\$ (bn)                        | GDP per cap   | ita,     | Ρ |
|---|-----------------------------------|--------|------------------|----------|------------|--|--|---------------|----------|---|
| 34  | 21                                | High   | SEA              | 0        |            | 5.2  | 279.2                                  | 53,809        | ∂.2      |   |
|   |                                   |        | Score / Value    | Rank     |            |  |  | Score / Value | Rank     |   |
|   |                                   |        | 82.9             | 7        | ••         | <b>Business sophistication</b>   | n                                      | 52.9          | 20       |   |
| 1.1 Institutional enviro  | onment                            |        | 85.2             | 11       | • •        | 5.1 Knowledge workers  |  | 60.6          | 22       |   |
| 1.1.1 Operational stabili   | ity for businesses*               |        | 91.3             | 4        | • •        | 5.1.1 Knowledge-intensive em   | ployment, %                            | n/a           | n/a      |   |
| 1.1.2 Government effect   | tiveness*                         |        | 79               | 19       |            | 5.1.2 Firms offering formal tra  | iining, %                              | 66            | 5        |   |
| 1.2 Regulatory enviro   | nment                             |        | 92.2             | 5        | • •        | 5.1.3 GERD performed by bus  | iness, % GDP                           | • 0.9         | 26       |   |
| 1.2.1 Regulatory quality  | <b>/*</b>                         |        | 90.8             | 3        | • •        | 5.1.4 GERD financed by busin   | ess, %                                 | 50.1          | 30       |   |
| 1.2.2 Rule of law*  |                                   |        | 93.5             | 7        | • •        | 5.1.5 Females employed w/ad  | vanced degrees, %                      | <b>Q</b> 21.5 | 28       |   |
| 1.3 Business environn   | nent                              |        | 71.3             | [19]     |            | 5.2 Innovation linkages  |  | 52.1          | 18       |   |
| 1.3.1 Policy stability for  | doing business†                   |        | 71.3             | 22       |            | 5.2.1 Public Research-Industr  | y co-publications, %                   | 4.3           | 17       |   |
| 1.3.2 Entrepreneurship  | policies and culture <sup>+</sup> |        | n/a              | n/a      |            | 5.2.2 University-industry R&E  | collaboration <sup>†</sup>             | 73.5          | 20       |   |
| 🙎 Human capital a   | nd research                       |        | 49.8             | 23       | $\Diamond$ | 5.2.3 State of cluster develop   |  | 86.1          |          |   |
| 2.1 Education   |                                   |        | 63.1             | 21       |            | 5.2.4 Joint venture/strategic  |  | 0.07          |          |   |
| 2.1.1 Expenditure on ed   | ducation, % GDP                   |        |                  | 27       |            | 5.2.5 Patent families/bn PPP\$   | GDP                                    | 1.4           |          |   |
|   | ing/pupil, secondary, % GDP/cap   |        | 17.2             |          | 0 0        | 5.3 Knowledge absorption   |  | 46            |          |   |
| 2.1.3 School life expect  |                                   |        | <b>1</b> 9.7     | 4        | •+         | 5.3.1 Intellectual property pay  |  | 1.6           |          |   |
|   | ading, maths and science          |        |                  | 12       |            | 5.3.2 High-tech imports, % to  |  |               | 21<br>12 |   |
| 2.1.5 Pupil-teacher rati  | io, secondary                     |        | <b>1</b> 4.6     | 75       | 0 0        | 5.3.3 ICT services imports, %<br>5.3.4 FDI net inflows, % GDP  | total trade                            |               | 70       |   |
| 2.2 Tertiary education  | n                                 |        | 42.2             | 32       |            | 5.3.5 Research talent, % in bu   | icinoceoe                              | <b>4</b> 6.2  |          |   |
| 2.2.1 Tertiary enrolmen   | t, % gross                        |        | <b>©</b> 79.4    | 22       |            |  |  |               |          |   |
| 2.2.2 Graduates in scie   | ence and engineering, %           |        | 22.7             | 62       | 0          | ✓ Knowledge and technology  ✓ Knowledge and technolo | ology outputs                          | 28.5          | 45       |   |
| 2.2.3 Tertiary inbound  | mobility, %                       |        | <b>9</b> 12      | 18       |            | 6.1 Knowledge creation   |  | 34.9          | 28       |   |
| 2.3 Research and dev  | relopment (R&D)                   |        | 44               | 23       | $\Diamond$ | 6.1.1 Patents by origin/bn PPF   | \$ GDP                                 | 1             | 60       |   |
| 2.3.1 Researchers, FTE  | /mn pop.                          |        | <b>§</b> 5,084.4 | 19       |            | 6.1.2 PCT patents by origin/bi   | n PPP\$ GDP                            | 1             | 24       |   |
| 2.3.2 Gross expenditure   | e on R&D, % GDP                   |        | <b>0</b> 1.5     | 27       |            | 6.1.3 Utility models by origin/  | bn PPP\$ GDP                           | -             | -        |   |
| 2.3.3 Global corporate  | R&D investors, top 3, mn USD      |        | 48.9             | 32       | $\Diamond$ | 6.1.4 Scientific and technical   | articles/bn PPP\$ GDP                  | 30.7          | 15       |   |
| 2.3.4 QS university ran   | king, top 3*                      |        | 51.8             | 19       |            | 6.1.5 Citable documents H-in   | dex                                    | 35.5          | 27       |   |
| <b>⇔</b> Infrastructure   |                                   |        | 56.4             | 12       | • •        | 6.2 Knowledge impact   |  | 22.5          | 80       |   |
| 3.1 Information and co  | ommunication technologies (IC1    | Γs)    | 92.3             | 10       | •+         | 6.2.1 Labor productivity grow  |  | 0.3           |          |   |
| 3.1.1 ICT access*   | onnianioa do nico (i o i          | ,      | 98.6             |          |            | 6.2.2 Unicorn valuation, % GI  |  | 0             |          |   |
| 3.1.2 ICT use*  |                                   |        | 79.8             |          | $\Diamond$ | 6.2.3 Software spending, % 0   |  |               | 54       |   |
| 3.1.3 Government's onl  | line service*                     |        | 95.3             |          | • •        | 6.2.4 High-tech manufacturin   | lg, %                                  | 16.9          |          |   |
| 3.1.4 E-participation*  |                                   |        | 95.3             | 6        | • •        | 6.3 Knowledge diffusion  | sints 0/ total trade                   | 28.1          |          |   |
| 3.2 General infrastruc  | cture                             |        | 46.2             | 27       |            | 6.3.1 Intellectual property rec<br>6.3.2 Production and export of  |  | 1.8           |          |   |
| 3.2.1 Electricity output,   | , GWh/mn pop.                     |        | 8,716.8          | 17       |            | 6.3.3 High-tech exports, % to  |  |               | 61       |   |
| 3.2.2 Logistics perform   | nance*                            |        | 68.2             | 25       | $\Diamond$ | 6.3.4 ICT services exports, %  |  |               | 61       |   |
| 3.2.3 Gross capital form  | mation, % GDP                     |        | 26.1             | 44       |            | 6.3.5 ISO 9001 quality/bn PPF  |  | 5.7           |          |   |
| 3.3 Ecological sustain  | nability                          |        | 30.7             | 40       |            | -  |  | 40.3          |          |   |
| 3.3.1 GDP/unit of energ   | y use                             |        | 11               | 59       |            | Creative outputs   |  | 40.3          | 31       |   |
| 3.3.2 Low-carbon energ  | gy use, %                         |        | 43               | 18       |            | 7.1 Intangible assets  |  | 41.6          | 33       |   |
| 3.3.3 ISO 14001 environ   | nment/bn PPP\$ GDP                |        | 2.3              | 47       |            | 7.1.1 Intangible asset intensity   | , top 15, %                            | 54.6          | 39       |   |
| Market sophistic     Market sophist     Market sophistic     Ma | ation                             |        | 44.8             | 34       | <b>♦</b>   | 7.1.2 Trademarks by origin/bn  | PPP\$ GDP                              | 75.7          | 16       |   |
| 4.4 Oresit  |                                   |        | F4.2             | [40]     |            | 7.1.3 Global brand value, top  | 5,000, % GDP                           | 3.7           | 37       |   |
| 4.1 Credit  | no and applaumet                  |        |                  | [18]     |            | 7.1.4 Industrial designs by ori  | gin/bn PPP\$ GDP                       | 1.5           | 45       |   |
| 4.1.1 Finance for startu  | o private sector, % GDP           |        | 146.9            | n/a<br>9 | • •        | 7.2 Creative goods and serv  | rices                                  | 20.9          | 53       |   |
|   | finance institutions, % GDP       |        |                  | n/a      | • •        | 7.2.1 Cultural and creative ser  |  |               | 56       |   |
| 4.2 Investment  | illiance ilistitutions, 70 ODI    |        | 23.3             |          | $\Diamond$ | 7.2.2 National feature films/m   |  |               | 54       |   |
| 4.2.1 Market capitalizat  | tion, % GDP                       |        | 49.9             |          | ~          | 7.2.3 Entertainment and medi   |  | 51.5          |          |   |
|   | √C) investors, deals/bn PPP\$ GDP |        |                  | 23       |            | 7.2.4 Creative goods exports,  | % total trade                          |               | 67       |   |
| 4.2.3 VC recipients, de   |                                   |        |                  | 21       |            | 7.3 Online creativity  | -\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 56.9          |          |   |
| 4.2.4 VC received, value  |                                   |        | 0.001            |          | $\Diamond$ | 7.3.1 Top-level domains (TLD:  |  | 40.9          |          |   |
| 4.3 Trade, diversifica  |                                   |        | 56.7             |          | ·          | 7.3.2 GitHub commits/mn pop  |  | 59.7          |          |   |
| 4.3.1 Applied tariff rate   |                                   |        | 0.7              |          | • •        | 7.3.3 Mobile app creation/bn   | PPP\$ GDP                              | 70            | 52       |   |
| 4.3.2 Domestic industr  |                                   |        | 70.2             |          | 0 0        |  |  |               |          |   |
| 4.3.3 Domestic market   |                                   |        | 279.2            |          |            |  |  |               |          |   |
|   |                                   |        |                  |          |            |  |  |               |          |   |

NOTES: • indicates a strength; O a weakness; • an income group strength; o an income group weakness; \* an index; † a survey question, • that the economy's data is outdated. Square brackets [] indicate the the data minimum coverage (DMC) requirements were not met at the sub-pillar or pillar level; n/a represents missing values; a dash - indicates an indicator which is not relevant to this economy and thus not considered for DMC thresholds.



### Data availability

The following tables list indicators that are either missing or outdated for New Zealand.



New Zealand has missing data for five indicators and outdated data for nine indicators.

### Missing data for New Zealand

| Code  | Indicator name                                     | Economy<br>Year | Model<br>Year | Source   |
|-------|--|-----------------|---------------|--|
| 1.3.2 | Entrepreneurship policies and culture <sup>†</sup> | n/a             | 2023          | Global Entrepreneurship Monitor  |
| 4.1.1 | Finance for startups and scaleups†                 | n/a             | 2023          | Global Entrepreneurship Monitor  |
| 4.1.3 | Loans from microfinance institutions, % GDP        | n/a             | 2022          | International Monetary Fund, Financial Access Survey (FAS)               |
| 5.1.1 | Knowledge-intensive employment, %                  | n/a             | 2022          | International Labour Organization  |
| 6.1.3 | Utility models by origin/bn PPP\$ GDP              | n/a             | 2022          | World Intellectual Property Organization; International<br>Monetary Fund |

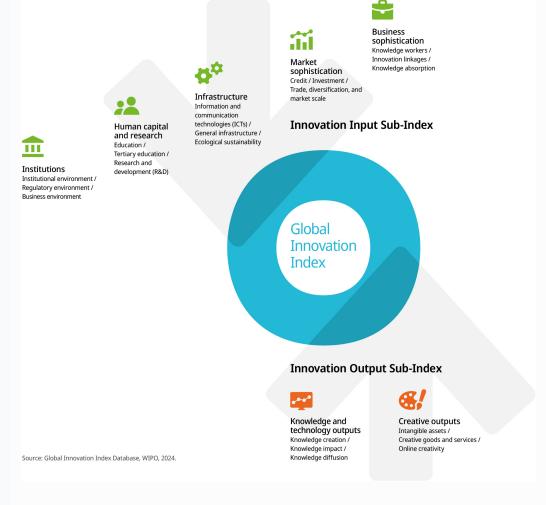
### Outdated data for New Zealand

| Code  | Indicator name                         | Economy Year | Model Year | Source   |
|-------|--|--------------|------------|--|
| 2.1.3 | School life expectancy, years          | 2021         | 2022       | UNESCO Institute for Statistics                        |
| 2.1.5 | Pupil-teacher ratio, secondary         | 2021         | 2022       | UNESCO Institute for Statistics                        |
| 2.2.1 | Tertiary enrolment, % gross            | 2021         | 2022       | UNESCO Institute for Statistics                        |
| 2.2.3 | Tertiary inbound mobility, %           | 2021         | 2022       | UNESCO Institute for Statistics                        |
| 2.3.1 | Researchers, FTE/mn pop.               | 2021         | 2022       | UNESCO Institute for Statistics; Eurostat; OECD; RICYT |
| 2.3.2 | Gross expenditure on R&D, % GDP        | 2021         | 2022       | UNESCO Institute for Statistics; Eurostat; OECD; RICYT |
| 5.1.3 | GERD performed by business, % GDP      | 2021         | 2022       | UNESCO Institute for Statistics; Eurostat; OECD; RICYT |
| 5.1.5 | Females employed w/advanced degrees, % | 2020         | 2023       | International Labour Organization                      |
| 5.3.5 | Research talent, % in businesses       | 2021         | 2022       | UNESCO Institute for Statistics; Eurostat; OECD; RICYT |



### About the Global Innovation Index

- The Global Innovation Index (GII) is published by the World Intellectual Property Organization (WIPO), a specialized agency of the United Nations.
- Recognizing that innovation is a key driver of economic development, the GII aims to provide an innovation ranking and rich analysis referencing around 130 economies. Over the last decade, the GII has established itself as both a leading reference on innovation and a "tool for action" for economies that incorporate the GII into their innovation agendas.



The Index is a ranking of the innovation capabilities and results of world economies. It measures innovation based on criteria that include institutions, human capital and research, infrastructure, credit, investment, linkages; the creation, absorption and diffusion of knowledge; and creative outputs.

The GII has two sub-indices: the Innovation Input Sub-Index and the Innovation Output Sub-Index, and seven pillars, each consisting of three sub-pillars.