

Ventilators and ICU bed capacity

11 MAY 2020

Initial work by sector experts at the start of the COVID-19 outbreak provided confidence that we were able to increase capacity and coordinate services across the country.

This data outlines our current capacity for ventilators and ICU bed capacity across New Zealand. It is accurate as at the 29th of April 2020 and will be reviewed and updated as more facilities and equipment are readied.

Ventilators

Original modelling showed that our physical stock of ventilators would need to be supplemented by anaesthetic machines that could be used as ventilators, if COVID-19 cases increased in New Zealand as they had in other countries. Based on current demand, those anaesthetic machines are not required, and the data we are using now is based on available ICU ventilators supplemented with those on order.

The table below includes all ventilators currently available in DHBs or by agreement with private hospitals.

Currently New Zealand has enough ICU capable ventilators on order to equip any current gaps and the additional beds planned by August 2020.

If a surge in demand for ventilators was to occur before August, then anaesthetic machines would be used to meet any gaps.

Ventilator capacity 29th April 2020

Region	DHB	Current
Northern	Auckland	71
	Counties Manukau	24
	Northland	7
	Waitemata	14
	Total	116
Midland	Bay of Plenty	12
	Lakes	4
	Tairāwhiti	2
	Taranaki	10
	Waikato	31
	Total	59
Central	Capital and Coast	37
	Hawke's Bay	14
	Hutt Valley	6
	MidCentral	6
	Wairarapa	2
	Whanganui	3
	Total	68
South Island	Canterbury	52
	Nelson Marlborough	11
	South Canterbury	5
	Southern	20
	West Coast	3
	Total	91
National		334

ICU beds

Based on initial modelling we sought to urgently triple our ICU bed capacity across New Zealand. In order to monitor progress on preparedness the Ministry has since asked all DHBs to complete a survey of facilities.

The table below has both ICU beds and ICU capable beds available to be used by DHBs as reported by DHBs as at the 29th of April 2020... The beds are predominantly within DHB hospitals but also include ICU beds available by agreement for use in private hospitals. These beds can all be staffed and are able to accept a ventilator if required.

DHBs are currently increasing their capacity of ICU capable beds and based on current advice there will be 552 ICU capable beds available for service by July 2020.

ICU bed capacity 29th April 2020

Region	DHB	Current
Northern	Auckland	86
	Counties Manukau	24
	Northland	8
	Waitemata	8
	Total	126
Midland	Bay of Plenty	14
	Lakes	6
	Tairāwhiti	6
	Taranaki	16
	Waikato	34
	Total	76
Central	Capital and Coast	31
	Hawke's Bay	30
	Hutt Valley	4
	MidCentral	8
	Wairarapa	6
	Whanganui	6
	Total	85
South Island	Canterbury	29
	Nelson Marlborough	11
	South Canterbury	8
	Southern	20
	West Coast	3
	Total	71
National		358