Figure 1: Flow diagram.

143,435 ICU admissions included in the New Zealand Ministry of Health NMD from July 1 2009 until June 30 2018

106,696 ICU admissions were from 16 hospitals* that regularly contributed to the ANZICS CORE APD

104,099 unique ICU admission episodes

91,669 individual patients with at least one ICU admission identified

106,696 ICU admissions included in the ANZICS CORE APD from July 1 2009 until June 30 2018 in the 16 study sites

61,873 patients with illness severity data matched to the ANZICS CORE APD

2,597 admissions involved at least one ICU to ICU transfer

36,739 ICU admissions in the New Zealand Ministry of Health NMD were from 19 sites that did not regularly contribute to the ANZICS CORE APD

105,666 New Zealand ICU admissions included in the ANZICS CORE APD from July 1 2009 until June 30 2018

9,321 patients categorised as neither European nor Māori

52,552 patients included in the study

*Two ICUs from a single hospital were included for a total of 17 contributing ICUs.

Abbreviations: ANZICS CORE APD: Australian and New Zealand Intensive Care Society Centre for Outcome and Resource Evaluation Adult Patient Database; ICU: intensive care unit; NMD: National Minimum Database.