



ELECTRONIC SUPPLEMENTARY MATERIAL

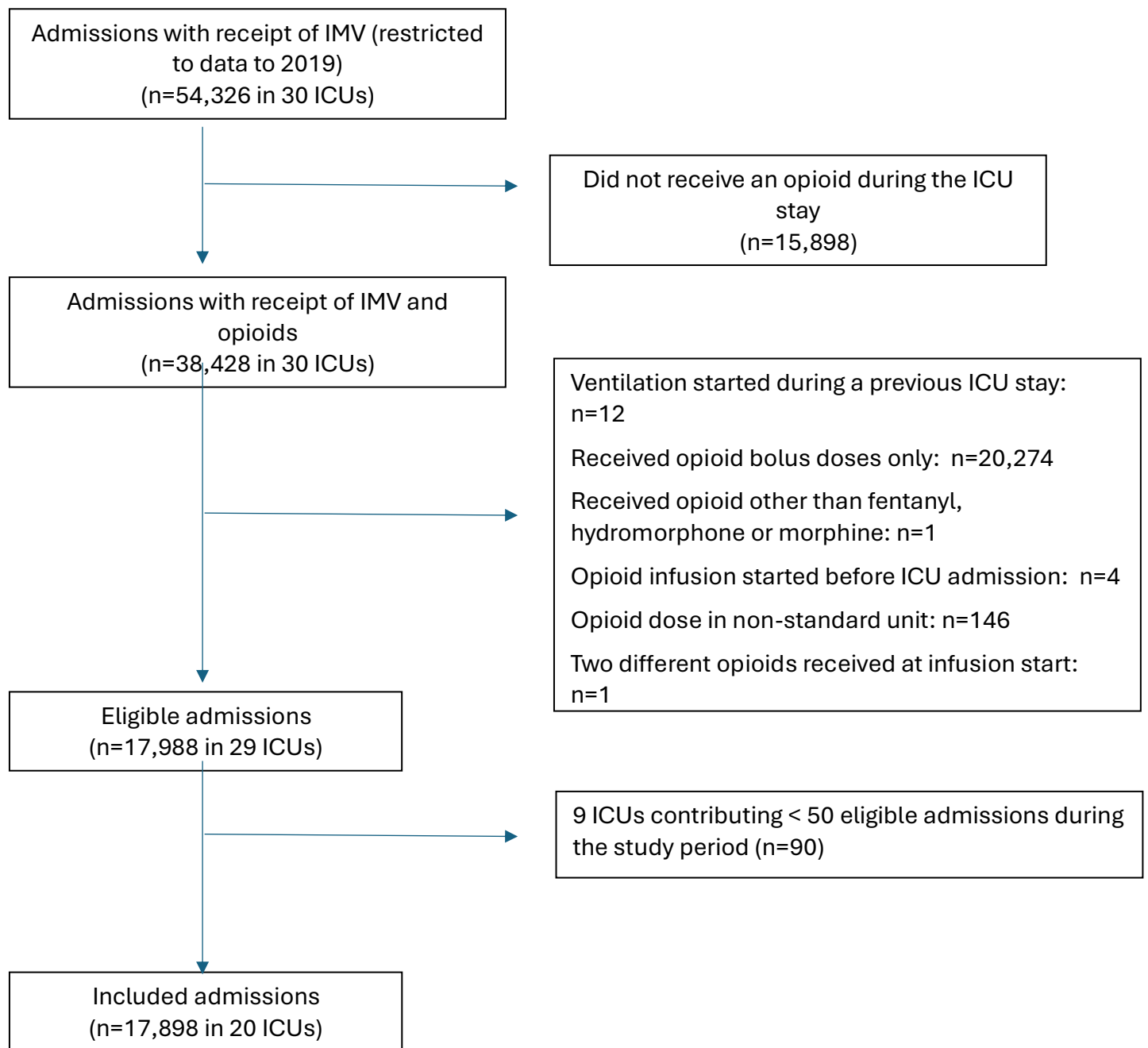
Piland R *et al.*: Choice of initial opioid for continuous infusions in patients requiring mechanical ventilation: a retrospective cohort study

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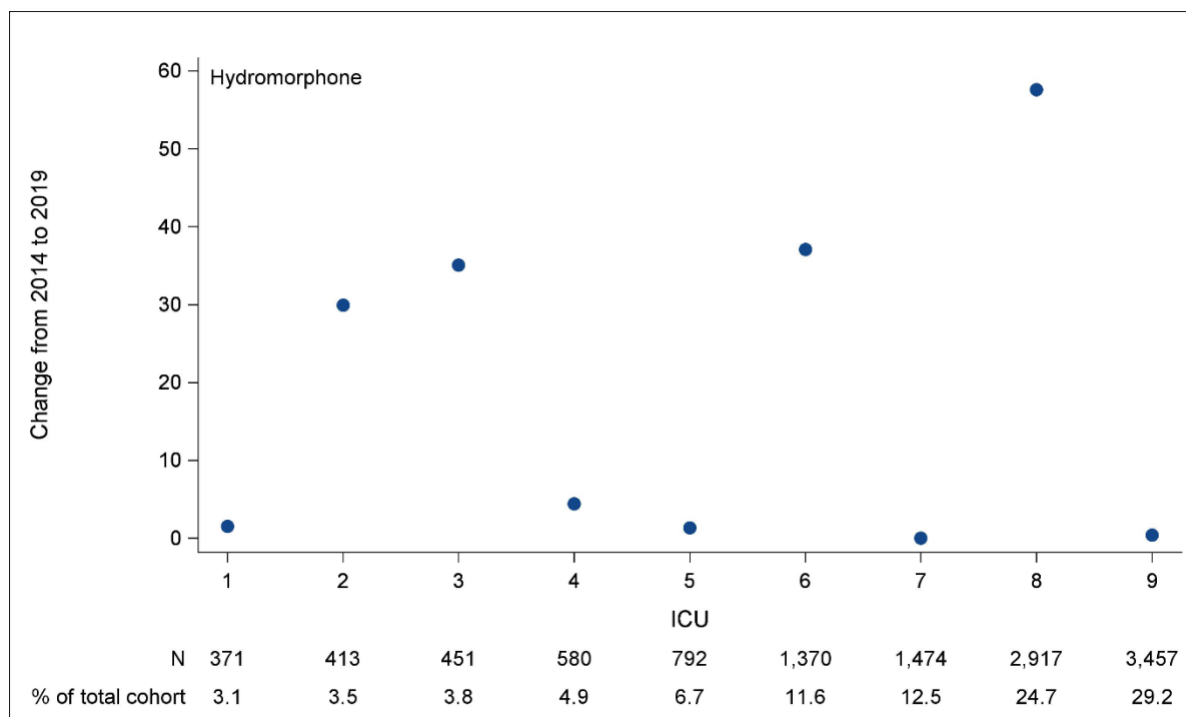
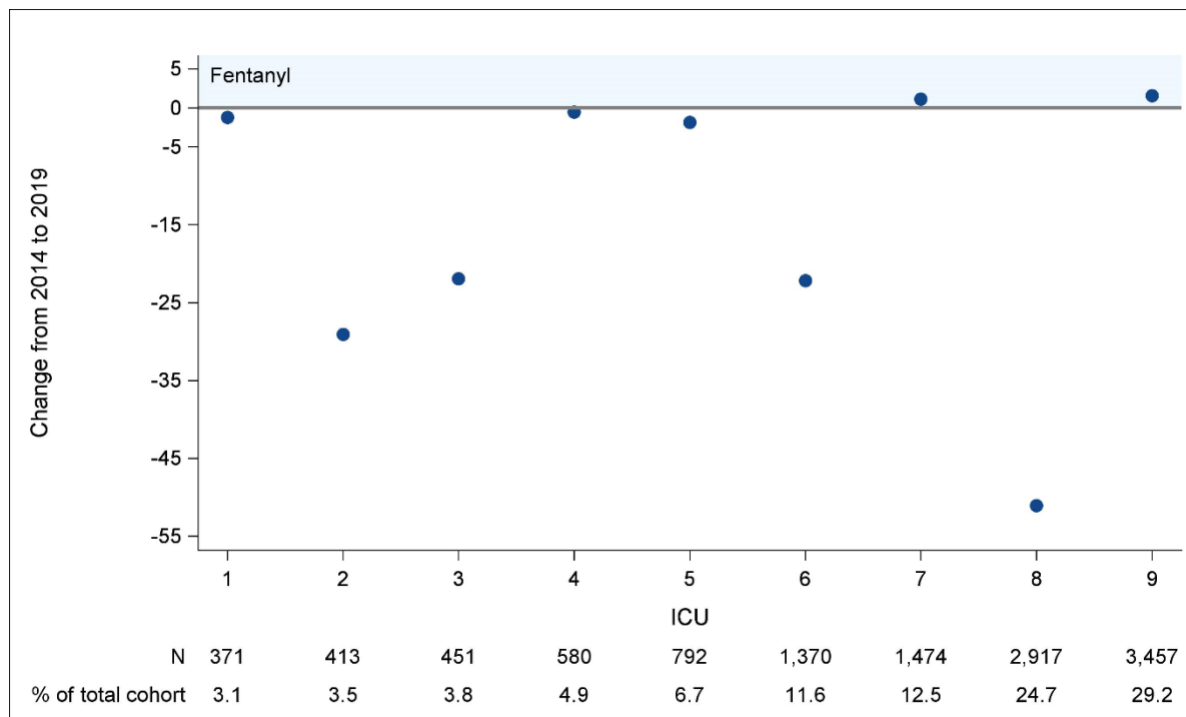
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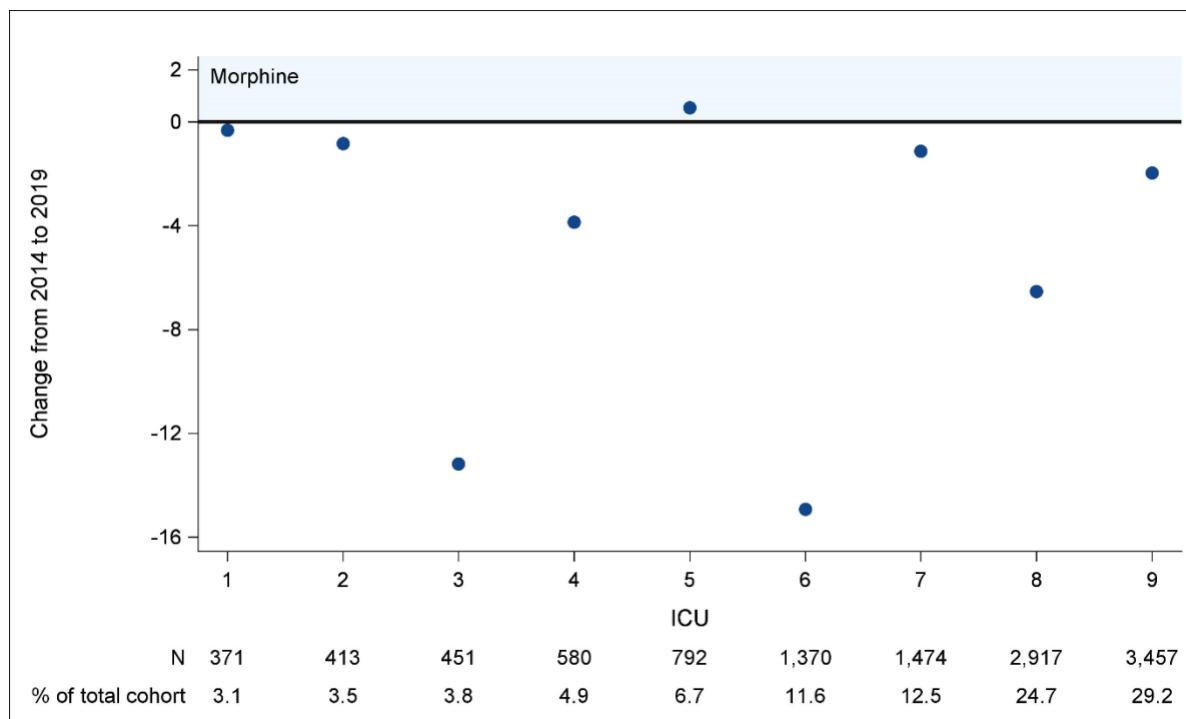
eFig. 1	Patient flow chart
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eFig. 1 Patient flow chart



eFig. 2 Percentage change in the proportion of patients administered each opioid as the initial opioid (restricted to sites with data from 2014)

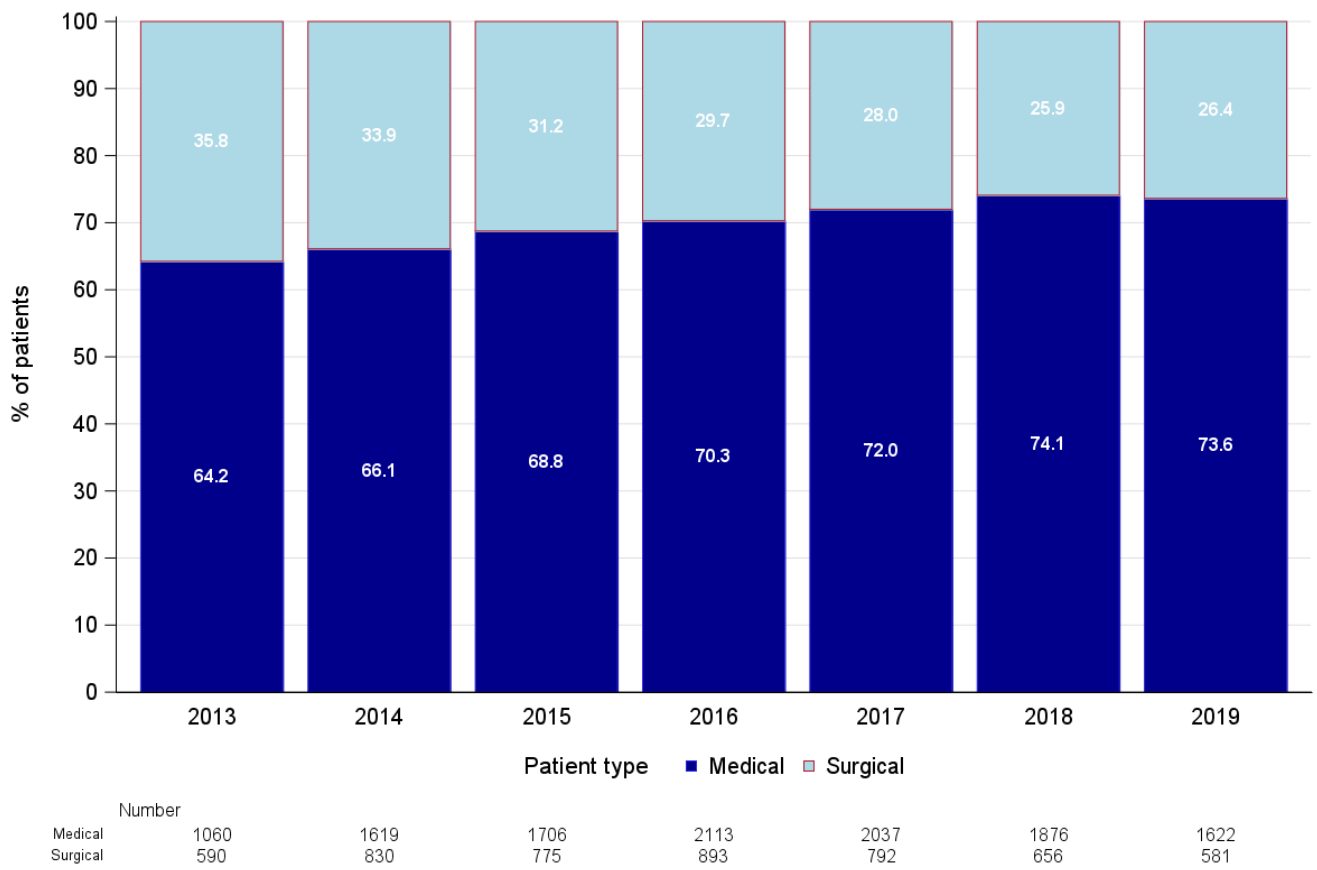




For each ICU the number of patients administered the given opioid was divided by the total number of patients, for 2014 and 2019 separately. The percentage change was calculated as the proportion in 2019 minus the proportion in 2014.

eFig. 3
surgical

Change over time in percentage of patients in the cohort who were medical *versus*



Test for trend over time: $P < 0.001$

eTable Frequency of receipt of a second opioid infusion after initiation with fentanyl, hydromorphone, or morphine

	Initial opioid		
	Fentanyl (N = 14,060)	Hydromorphone (N = 2,917)	Morphine (N = 921)
Received another opioid infusion, n%	1,333 (9.5)	156 (5.4)	56 (6.1)
Among patients who received a different infusion (N = 1,545)			
Other opioid infusion, n (%)			
Fentanyl	-	103 (66.0)	31 (55.4)
Hydromorphone	794 (59.6)	-	25 (44.6)
Morphine	539 (40.4)	53 (34.0)	-
Time to next opioid infusion (hr), median [IQR]	59.3 (14.2 to 140.8)	105.2 (29.9 to 213.8)	47.1 (15.5 to 95.2)