
Cover sheet for work submitted towards Assessment 2022/23

Please attach a copy of this sheet to *each* piece of work submitted.

LSHTM Candidate Number:	221352
Module Title:	Health Data Management
Module Number:	2487
Module Organiser:	Jon Wong, Carl Pearson
Timetable slot:	T1
Date Submitted:	
Type of Assessment:	Report + Supporting Code File(s)
Word count (<i>when a word limit is specified</i>)	

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Report for Beth Israel Deaconess Medical Centre

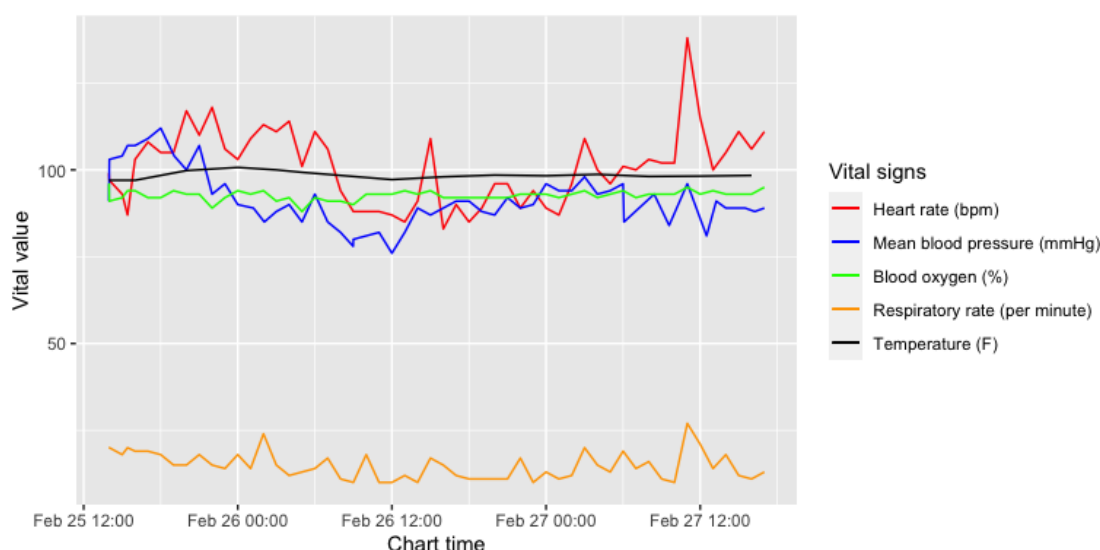
2022-10-26

Information on patient 42130 for the most recent hospital visit in which Simvastatin was prescribed

Age	Gender	Ethnicity	Marital status	Religion	Total time in hospital	Time spent in ICU	ICU unit(s) visited	Ward ID
63	M	WHITE	MARRIED	NOT SPECIFIED	4 days 06:15:00	2 days 03:47:05	TSICU	14

Diagnoses with ICD-9 codes	Prescriptions
2252: Benign neoplasm of cerebral meninges, 4019: Unspecified essential hypertension, 42731: Atrial fibrillation, V1046: Personal history of malignant neoplasm of prostate, V4501: Cardiac pacemaker in situ, V5861: Long-term (current) use of anticoagulants	Metoprolol Tartrate, Acetaminophen, Dexamethasone, HydrALazine, Dextrose 50%, Dexamethasone Sod Phosphate, LeVETiracetam, Heparin Sodium, Pantoprazole, Bisacodyl, Influenza Virus Vaccine <i>Latex Free</i> , Metoprolol Succinate XL, Insulin - Sliding Scale, Valsartan, Docusate Sodium, Ondansetron, Bisacodyl (Rectal), Senna, Glucagon, Simvastatin, Neutra-Phos, Sodium Chloride 0.9% Flush, Morphine, OxycoDONE (Immediate Release)

Vital signs for patient 42130



Summary of total time spent in ICU of 60-65 year olds with a cardiac device

Detailed below is information on patients of similar age to patient 42130, also with a cardiac device.

Summary of hospital stay length (days)

	F.No	M.No	F.Yes	M.Yes
Median	9.1350	6.65	0.97	6.460
LowerQuartile	6.7175	4.36	0.74	3.255
UpperQuartile	14.8025	11.03	1.92	7.620
Min	0.9800	0.91	0.56	0.190
Max	44.9200	35.94	7.06	13.250

Summary of total ICU stay length (days)

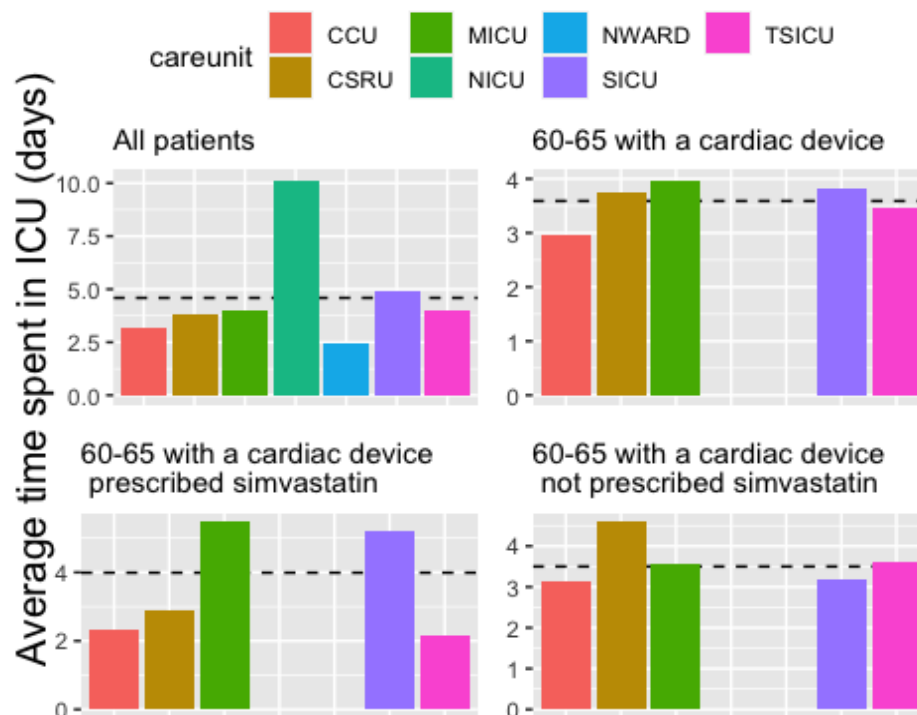
	F.No	M.No	F.Yes	M.Yes
Median	3.805	2.290	1.05	4.1500
LowerQuartile	1.805	1.445	0.80	2.8175
UpperQuartile	7.010	4.105	2.04	5.6450
Min	0.740	0.590	0.68	0.8800
Max	30.150	35.940	7.19	10.4000

The above data has been stratified by gender (M or F) and whether they have died in ICU, defined as dying within 6 hours of being admitted or discharged from ICU (Yes or No).

Summary of ICU stays for 60-65 year old patients with a cardiac device who died while in the ICU

ID	M/F	Age	Stay time	First ICU	Top 3 listed diagnoses with ICD-9 codes (full list of diagnoses is available upon request)
2338	M	62	7.45	MICU	5845: Acute kidney failure with lesion of tubular necrosis, 03811: Methicillin susceptible Staphylococcus aureus septicemia, 78552: Septic shock
7695	M	64	3.36	CCU	4271: Paroxysmal ventricular tachycardia, 42823: Acute on chronic systolic heart failure, 5849: Acute kidney failure, unspecified
8389	M	64	5.84	CCU	3481: Anoxic brain damage, 8208: Closed fracture of unspecified part of neck of femur
15759	F	64	0.80	CCU	4271: Paroxysmal ventricular tachycardia, 4280: Congestive heart failure, unspecified, 78551: Cardiogenic shock
17239	M	65	0.70	MICU	5845: Acute kidney failure with lesion of tubular necrosis, 2851: Acute posthemorrhagic anemia, 5781: Blood in stool
21302	M	65	5.58	CCU	3962: Mitral valve insufficiency and aortic valve stenosis, 5849: Acute kidney failure, unspecified, 39891: Rheumatic heart failure (congestive)
31381	M	62	3.05	MICU	1550: Malignant neoplasm of liver, primary, 570: Acute and subacute necrosis of liver, 07044: Chronic hepatitis C with hepatic coma
32618	M	62	4.63	MICU	4280: Congestive heart failure, unspecified, 51881: Acute respiratory failure, 486: Pneumonia, organism unspecified
40999	F	65	2.04	SICU	4010: Malignant essential hypertension, 5070: Pneumonitis due to inhalation of food or vomitus, 431: Intracerebral hemorrhage
52631	F	60	7.19	MICU	0389: Unspecified septicemia, 56983: Perforation of intestine, 5856: End stage renal disease
59085	M	60	0.88	CCU	4254: Other primary cardiomyopathies, 51881: Acute respiratory failure, 4271: Paroxysmal ventricular tachycardia
68221	F	60	1.05	MICU	2761: Hyposmolality and/or hyponatremia, 51881: Acute respiratory failure, 5070: Pneumonitis due to inhalation of food or vomitus
74686	M	65	5.21	MICU	V5811: Encounter for antineoplastic chemotherapy, 5078: Pneumonitis due to other solids and liquids, E9478: Other drugs and medicinal substances causing adverse effects in therapeutic use
89758	M	61	2.12	CCU	78552: Septic shock, 570: Acute and subacute necrosis of liver, 0389: Unspecified septicemia
96591	M	63	2.28	MICU	5856: End stage renal disease, 51881: Acute respiratory failure, 431: Intracerebral hemorrhage
98336	F	60	0.68	CCU	4271: Paroxysmal ventricular tachycardia, 51881: Acute respiratory failure, 2762: Acidosis
98525	M	64	1.51	SICU	0388: Other specified septicemias, 570: Acute and subacute necrosis of liver, 1534: Malignant neoplasm of cecum

ICU stay times average



The dashed lines are the aggregated averages across the ICUs for each of the groups.