

Table 1S – ICD 9 and 10 codes used for comorbidities and procedures -

<u>Comorbidities/ Procedures</u>	<u>ICD codes used</u>
Shock	ICD 9 – 785.50, 785.51, 785.59 ICD 10 - R57.0, R57.8, R57.9
Anterior wall myocardial infarction	ICD 9 – 410.00, 410.01, 410.10,410.10,410.11 ICD 10 - I21.09, I21.0, I21.02, I21.01
Inferior wall myocardial infarction	ICD 9 – 410.20, 410.21, 410.30, 410.31, 410.40, 410.41 ICD 10 - I21.11, I21.19, I21.1
Prior Coronary artery bypass	ICD 9 - V45.81, 414.02, 414.03, 414.04, 414.05 ICD 10 – Z95.1, I25.700, I25.701, I25.708 , I25.709 , I25.710 , I25.711 , I25.718, I25.719 , I25.720 , I25.721 , I25.728 , I25.729 , I25.730 , I25.731 , I25.738 , I25.739, I25.790 , I25.791 , I25.798 , I25.799 , I25.810
Stent placement	ICD 9 – 36.06, 36.07 ICD 10 – 0270346,0272346,027034Z,027234Z,0270356,0272356,027035Z,027235Z, 0270366,0272366,027036Z,027236Z,0270376,0272376,027037Z,027237Z,027134Z,027334Z ,0271356,0273356,027135Z,027335Z,027135Z,0271366,027136Z,027336Z, 0271346,0273346,0271376,0273376,027137Z,027337Z, 02703D6,02723D6,02703DZ,02723DZ,02703E6,02723E6,02703EZ,02723EZ, 02703F6,02723F6,02703FZ,02723FZ,02703G6,02723G6,02703GZ,02723GZ,02713D6, 02733D6,02713DZ,02733DZ,02713E6,02733E6,02713EZ,02733EZ,02713F6,02733F6, 02713FZ,02733FZ,02713G6,02733G6,02713GZ,02733GZ
Percutaneous transluminal coronary angioplasty	ICD 9 – 00.66, 36.09 ICD 10 – 02703Z6,02723Z6,02703ZZ,02723ZZ,02713Z6,02733Z6,02713ZZ,02733ZZ
Thrombolysis, systemic	ICD 9 – 99.10 ICD 10 – 3E03317, 3E04317, 3E05317, 3E08317, 3E06317
Thrombolysis, intracoronary	ICD 9 – 36.04 ICD 10 – 3E07317
Coronary artery bypass	ICD 9 – 36.10, 36.11, 36.12, 36.13, 36.14, 36.15, 36.16, 36.17, 36.19, 36.2

	<p>ICD 10 – 0210083,0210088,0210089,021008C,021008F,021008W,0210093,0210098, 0210099,021009C,021009F,021009W,02100A3,02100A8,02100A9,02100AC,02100AF,02100 AW,02100J3,02100J8,02100J9,02100JC,02100JF,02100JW,02100K3,02100K8,02100K9,02100 KC,02100KF,02100KW,02100Z3,02100Z8,02100Z9,02100ZC,02100ZF,0211083,0211088,0211 089,021108C,021108F,021108W,0211093,0211098,0211099,021109C,021109F,021109W,02 110A3,02110A8,02110A9,02110AC,02110AF,02110AW,02110J3,02110J8,02110J9,02110JC,0 2110JF,02110JW,02110K3,02110K8,02110K9,02110KC,02110KF,02110KW,02110Z3,02110Z8, 02110Z9,02110ZC,02110ZF,0212083, 0212088,0212089,021208C,021208F,021208W,0212093,0212098,0212099,021209C,021209 F,021209W,02120A3,02120A8,02120A9,02120AC,02120AF,02120AW,02120J3,02120J8,0212 0J9,02120JC,02120JF,02120JW,02120K3,02120K8,02120K9,02120KC,02120KF,02120KW,0212 0Z3,02120Z8,02120Z9,02120ZC,02120ZF,0213083,0213088,0213089,021308C,021308F,0213 08W,0213093,0213098,0213099,021309C,021309F, 021309W,02130A3,02130A8,02130A9,02130AC,02130AF,02130AW,02130J3,02130J8,02130J 9,02130JC,02130JF,02130JW,02130K3,02130K8,02130K9,02130KC,02130KF,02130KW,02130 Z3,02130Z8,02130Z9,02130ZC,02130ZF</p>
Intra-aortic balloon pump	<p>ICD 9 – 37.61</p> <p>ICD 10 – 5A02110, 5A02210</p>
Percutaneous left ventricular assist device	<p>ICD 9 – 37.86</p> <p>ICD 10 – 02HA3RJ,02HA4RJ, 5A0211D, 5A0221D, 02HA3RZ, 02HA4RZ</p>
Extracorporeal membrane oxygenation	<p>ICD 9 – 39.65, 39.66</p> <p>ICD 10 – 5A1522G, 5A1522F, 5A1522H, 5A15223</p>
Transcatheter ventricular septal rupture repair	<p>ICD 9 – 35.55</p> <p>ICD 10 – 02RM4JZ, 02UM3JZ, 02QM3ZZ, 02QM4ZZ</p>
Surgical ventricular septal rupture repair	<p>ICD 9 – 35.53, 35.62, 35.72</p> <p>ICD 10 – 02RM0JZ, 02UM0JZ, 02RM07Z, 02RM0KZ, 02UM07Z, 02UM0KZ, 02QM0ZZ, 02UM08Z</p>

Table 2S – Characteristics of post-STEMI VSR patients during 2010-20 who were transferred out compared who were not

Variable	Transfer out	95% CI	Not Transferred	95% CI	P-value
Total (N=4,100)					
Number	1300	1130-1470	2800	2518-3081	
Total (%)	31.7	28.7-34.9	68.3	65.1-71.3	
Age (mean years)	70	68.7-71.3	70.6	69.6-71.6	0.466
Age interval (%)					0.313
≤50 years	3.34	1.73-6.37	28.7	25.1-32.5	
51-65 years	25.4	20.4-31.2	27.8	24.2-31.8	
66-80 years	25.5	20.6-31.0	23.6	20.3-27.2	
>80 years	25	20.1-30.7	20	16.8-23.5	
Primary Payer (%)					0.134
Medicare	65.5	59.6-71.0	61.7	57.6-65.6	
Medicaid	4.86	2.83-8.20	6.36	4.62-8.68	
Private	23.8	19.2-29.3	21.7	18.5-25.4	
Self-Pay	5.77	3.53-9.30	10.2	7.98-13.1	
Presentation					
Shock	63.3	57.4-68.8	70.4	66.5-74.0	0.040
Anterior wall MI	47.1	40.9-53.3	40.5	36.5-44.5	0.086
Inferior wall MI	46.8	40.7-52.9	50.3	46.2-54.4	0.363
Management					
Stent	38.4	32.6-44.5	27.7	24.3-31.5	0.002
PTCA only	5.31	3.15-8.83	6.89	5.04-9.37	0.391
tPA	1.15	0.370-3.52	1.93	1.01-3.64	0.430
Intracoronary tPA	0.769	0.192-3.03	0.179	0.03-1.26	0.193
IABP	53.7	47.4-59.9	49.1	45.0-53.2	0.222
pLVAD	9.19	6.25-13.3	13.7	11.1-16.8	0.069
ECMO	8.08	5.38-12.0	13.9	11.3-17.1	0.016
Elixisum	4.73	4.44-5.02	4.77	4.58-4.95	0.827