

### SUPPLEMENTAL DIGITAL CONTENT 3: POPSOM SCORING SYSTEM

Age	Pointed assigned
18-20	+0
21-25	+1
26-30	+2
31-35	+3
36-40	+4
41-45	+5
46-50	+6
51-55	+7
56-60	+8
61-65	+9
66-70	+10
71-75	+11
76-80	+12
81-85	+13
86-90	+14
91-95	+15
>95	+16

Comorbidity	Points assigned
Ischemic heart disease	+1
Cardiac arrhythmia or heart blocks	+1
Chronic heart failure or cardiomyopathy	+4
Peripheral vascular disease	+1
Dementia	+2
Cerebrovascular disease	+1
Hemiplegia	+4
Chronic obstructive pulmonary disease	+1
Chronic respiratory failure	+3
Chronic alcohol abuse	+4
Cancer	+4
Diabetes	+1
Transplanted organ(s)	+2
Preoperative chronic hemodialysis	+1
Chronic renal failure	+2

Planned Surgery	Points assigned
Endoscopic digestive	+0
Ophthalmologic	+0
Gynecologic	+6
Other orthopedic	+6
Interventional cardiorhythmology	+8
Arthroplasty and spine	+9
Ear, nose and throat (ENT)	+9
Minor urologic	+9
Plastic	+9
Major urologic	+12
Others surgery	+12
Minor hepatic	+12
Minor gastrointestinal	+13
Renal transplant	+13
Minor vascular	+13
Orthopedic trauma	+14
Major hepatic	+15
Thoracic	+15
Neuro	+15
Major vascular	+16
Major gastrointestinal	+16
Interventional neuroradiology	+17
Cardiac	+17
Transplant	+22
Multiple trauma related	+22

Total Points	Predicted risk (%) of in-hospital mortality	Total Points	Predicted risk (%) of in-hospital mortality
0	<0.001	26	2.329
1	0.001	27	3.126
2	0.002	28	4.184
3	0.002	29	5.579
4	0.003	30	7.403
5	0.004	31	9.763
6	0.006	32	12.771
7	0.008	33	16.535
8	0.010	34	21.140
9	0.014	35	26.619
10	0.019	36	32.925
11	0.026	37	39.912
12	0.035	38	47.336
13	0.047	39	54.879
14	0.063	40	62.205
15	0.086	41	69.012
16	0.116	42	75.085
17	0.157	43	80.307
18	0.212	44	84.659
19	0.286	45	88.190
20	0.387	46	90.995
21	0.523	47	93.185
22	0.706	48	94.872
23	0.953	49	96.159
24	1.286	50	97.133
25	1.732	>51	>97.865