

**Supplementary Table 3.** RAI-A and RAI-Rev scoring adapted from Hall and colleagues, 2017 and Arya and colleagues, 2020 respectively

RAI variable	NSQIP variable	RAI-A scoring	RAI-A Rev scoring
Sex	SEX	+5 if male	+3 if male
Age	AGE	+ score with cancer (Supplementary Table 4)	+ score with cancer (Supplementary Table 5)
Cancer diagnosis (excluding skin cancer, except melanoma)	DISCANCER	+1	Variable only relevant through age
Weight loss (unintentional weight loss > 4.5 kg over 3 months)	WTLOSS	+5	+4
Renal failure (or dialysis)	DIALYSIS or RENAFAIL	+6 if either yes	+8
Congestive heart failure	HXCHF	+4	+5
Poor appetite	WTLOSS	+4	+4
Shortness of breath at rest	DYSPNEA	+8	+3
Residence other than independent living (transferred from nonhome or intermediate care unit)	TRANST	+8	+1
Cognitive deterioration (over past 3 months)	N/A		
Activities of daily living	FNSTATUS2	Without cognitive decline +16 = totally dependent +8 = partially dependent +0 = independent	Without cognitive decline +14 = totally dependent +7 = partially dependent +0 = independent

RAI-A, Risk Analysis Index-administrative; RAI-Rev, Risk Analysis Index recalibrated version; NSQIP, National Surgical Quality Improvement Program; N/A, not applicable.