

Supplementary Table S1: Diagnostic measures by ICD-10, ESPEN and GLIM

GLIM ^(c)	ESPEN	ICD-10
<p>PHENOTYPIC CRITERIA</p> <p>Low BMI (kg/m²) <20 kg/m² (<70 years) <i>OR</i> <22 kg/m² (≥70 years)</p> <p>Unintentional loss of weight >5%, ≤3 months <i>OR</i> >10%, ≥4 months</p> <p>Reduced muscle mass ^(d) (≥ 4 muscle sites rated as mild/moderate/severe deficit)</p> <p>ETIOLOGICAL CRITERIA</p> <p>Reduced food intake ≤50% usual intake for 5-30 days or ≥1month or ≤75% usual intake for ≥1 month or >75% usual intake for ≥1 month</p> <p>Inflammation/ disease burden Presence of metastasis</p>	<p>OPTION ONE</p> <p>Low BMI (kg/m²) <18.5 kg/m²</p> <p>OPTION TWO</p> <p>Unintentional loss of weight ^(b) > 5% within 3 months <i>OR</i> >10% indefinite of time</p> <p>Reduced BMI (kg/m²) < 20 kg/m² (<70 years) <i>OR</i> < 22 kg/m² (≥70 years)</p>	<p>OPTION ONE</p> <p>Low BMI (kg/m²) <18.5 kg/m²</p> <p>OPTION TWO ^(a)</p> <p>Unintentional loss of weight >5% indefinite of time</p> <p>Reduced food intake Any suboptimal intake of food</p> <p>Muscle wasting (≥ 4 muscle sites rated as mild/moderate/severe deficit)</p>

Abbreviations: ICD-10, International classification of disease version 10 malnutrition criteria; ESPEN, European Society of Clinical Nutrition and Metabolism malnutrition criteria; GLIM, Global Leadership Initiative on Malnutrition criteria; BMI, body mass index. (a) Meet all of the following, (b) Combined unintentional weight and low BMI, (c) 1 phenotypic criterion and 1 etiological criterion needs to be present for diagnosis, (d) by a validated assessment method.

Supplementary Table S2: Additional details for each of the logistic regression models reported in**Table 4**

	Cox and Snell Nagelkerke R squared	Correctly classified/ total # of participants (%) of the model	Full model
Mortality at 30-days			
GLIM			
Patient type			
Metastasis			
Constant	0.056-0.237	2154/2221 (97.0%)	χ^2 (3, n=2221) = 128.60, $p \leq 0.001$
ESPEN			
Patient type			
Metastasis			
Constant	0.060 – 0.234	2207/2285 (96.6%)	χ^2 (3, n=2284) = 141.79, $p \leq 0.001$
ICD-10			
Patient type			
Metastasis			
Constant	0.048-0.209	2154/2219 (97.1%)	χ^2 (3, n = 2219) = 109.16, $p \leq 0.001$
Unplanned admission or readmission at 30-days			
GLIM			
Patient type			
Metastasis			
Constant	0.029-0.052	1868/2168 (86.2%)	χ^2 (3, n=2168) = 63.22, $p \leq 0.001$
ICD-10			
Patient type			
Metastasis			
Constant	0.026 – 0.047	1865/2164 (86.2%)	χ^2 (3, n=2164) = 57.43, $p \leq 0.001$
ESPEN			
Patient type			
Metastasis			
Constant	0.023-0.041	1911/2225 (85.9%)	χ^2 (3, n=2225) = 51.93, $p \leq 0.001$

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