

# GLIM and ICD-11 update

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# Regular updates are stipulated by GLIM

GLIM criteria for the diagnosis of malnutrition – a consensus report...(2019): The GLIM consensus should be re-evaluated based upon review of new studies and advances in screening and assessment every 3–5 years.

- **The 5-year update is chaired by the GLIM Core Committee, (two delegates from ASPEN, ESPEN, FELANPE and PENSA), and co-chaired by Tommy Cederholm and Gordon Jensen. WG with 43 participants**
- **Work in progress since early 2024.**
- **Potential publication before end of 2024**



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# GLIM bibliometry Jan 2019 - Aug 2024

## GLIM original paper bibliometry (Scopus)

Clinical Nutrition	Publ. Feb 2019:	1570 citations
J Parent Enteral Nutr	Publ. Feb 2019:	440 citations
J Cach Sarc Muscle	Publ. Jan 2019:	560 citations

**2570 citations (+700 from 2023)**

### ~600 papers in PubMed

”Global Leadership Initiative on Malnutrition OR GLIM AND Nutrition” as search line

- >400 validation/feasibility studies
- ~10 systematic reviews and meta-analyses
  - Criterion validity
  - Predictive validity





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# 10 SR/meta-analyses of validation studies



## Preliminary conclusion in pending 5yUD on validity of GLIM

- ...more than 400 validation and feasibility studies ... have been published up to May 2024
- ...formed the basis for systematic reviews and meta-analyses on content and predictive validity.
- **...GLIM has undergone extensive validation and has a well-established evidence base**

The GLIM consensus approach to diagnosis of malnutrition: a 5-year update. In progress.





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# Summary of re-evaluation of the GLIM criteria in the 5-year update



- **Muscle mass assessment guidance**
  - **"Anything goes" with knowledge, device and reference population**
  - **"Don't use muscle function for nutritional diagnostic assessment"**
- **Disease burden/inflammation guidance**
  - **Clinical judgement usually enough**
  - **Use CRP (>3 mg/l) when uncertain**
- **No evidence for changes of cut-offs for**
  - **Weight loss**
  - **Low BMI**
  - **Food intake or food assimilation**





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# GLIM 2024-: Summary of addressed and pending issues for the 1st, and coming 5-y UD



- Bibliometry – validation studies
- Implementation/dissemination
- Gaps on criterion use already identified 2019
  - Muscle mass assessment - guidance
  - Disease burden/inflammation - guidance
- **Gaps identified during implementation of GLIM**
  - **Use of screening before application of GLIM criteria**
  - **Reconsideration of food intake/assimilation criterion**
  - **Feasibility of GLIM in the ICU setting**
  - **Muscle mass cutoffs**
- Potential upcoming issues
  - BMI cutoffs – relation to age and ethnicity
  - GLIM/malnutrition diagnosis in obesity

Update 2024

Update 2024-28?



# ICD-11 classification of malnutrition

## 5B54 Underweight in adults

We will also seek to share the GLIM consensus recommendations with the World Health Organization in the context of the International Classification of Diseases revision process (ICD-11).

The screenshot shows the ICD-11 classification interface. On the left, a navigation pane lists 'Nutritional disorders' and 'Undernutrition'. Under 'Undernutrition', '5B54 Underweight in adults' is highlighted. The main content area shows the 'Description' for 5B54: 'Body mass index (BMI) <math>< 18.5 \text{ kg/m}^2</math>'. A red arrow points from this text to a red text box on the right that says 'BMI <math>< 18.5 \text{ kg/m}^2</math>'. Below the description is a 'Postcoordination' section with a question mark icon. It contains the text 'Add detail to Underweight in adults' and 'Has severity (use additional code, if desired.)'. Below this is a table with three rows: 'XS5W Mild', 'XS0T Moderate', and 'XS2S Severe'. A blue box on the right side of the page contains the text 'The only code related to Malnutrition in adults'. At the bottom right, there is a 'Release Notes' link. The Windows taskbar is visible at the bottom of the screen.

**Description**  
Body mass index (BMI) <math>< 18.5 \text{ kg/m}^2</math>

**Postcoordination ?**

Add detail to **Underweight in adults**

Has severity (use additional code, if desired.)

XS5W	Mild
XS0T	Moderate
XS2S	Severe

**The only code related to Malnutrition in adults**

[Release Notes](#)

# **Proposal for ICD-11 amendment** (launched Dec 2020)

## **Standardizing the diagnosis of Malnutrition in adults:**

**Swedish CDC initiative supported by >40 societies**

- **Voting in "Medical&Scientific Adv. Comm" (MSAC) → back to WHO, april 2021**
- **ZOOM-discussion with ICD/WHO Geneva (TC, RB, GJ), May, 2022**
- **Positive e-mail communication, June 2023**
- **Support from Kremlin Wickramasinghe, WHO, 2023-2024**
- **Potential acceptance, May 2024 – "Undernutrition in Adults" 5B72**
- **Proposal on the WHO/ICD website for public review - now**
- **Hopefully a decision, Oct 2025 (the annual ICD decision meeting)**
- **Implementation in ICD-11, Jan 2026**