

**Evidence Analysis Library: Pediatric Nutrition Screening
Nutrition Screening Tool Components**

Screening Tools for Identifying Risk for Malnutrition in the Pediatric Population

| Screening Tool | Tool Description | Tool Components | | | | | |
|--|---|-----------------|----------------------------------|----------------------|------------------|----------------------|--------------------|
| | | Body Mass Index | Wt / Age Wt / Length Ht Velocity | Weight Change / Loss | Appetite/ Intake | Clinical Information | Other |
| E-Kindex <i>Electronic Kids Dietary Index</i> | An electronic tool designed for children in the community; focus is on self-reported nutrition behaviors related to risk for obesity. | | | | X | | X ¹ |
| IMCI <i>Integrated Management of Childhood Illness</i> | Designed by WHO to be used by health workers in developing countries | | | | | X ² | |
| NRST-CF <i>Nutrition Risk Screening Tool for Children and Adolescents with Cystic Fibrosis</i> | Developed for children with cystic fibrosis in the inpatient or outpatient setting | X | X | X | | X ³ | |
| NutriSTEP <i>Nutrition Screening Tool for Every Preschooler</i> | A community-based, parent-administered tool for preschool children | | X | | X | | X ^{4,5,6} |
| NutriSTEP - Toddler <i>Nutrition Screening Tool for Every Preschooler - Toddler</i> | Modified version of NutriSTEP (above); a community-based, parent-administered tool for toddlers (18-35 months) | | X ⁷ | | X ⁸ | | X ^{4,5,6} |
| PNRS <i>Pediatric Nutrition Risk Score</i> | Developed for hospitalized children >1 month of age at risk of acute malnutrition | | | | X | X ^{3,9,10} | |
| PNST <i>Pediatric Nutrition Screening Tool</i> | Developed to improve simplicity of nutrition screening in hospitalized children | | X | X | X | X ¹¹ | |
| PMST <i>Paediatric Malnutrition Screening Tool</i> | Modified version of STAMP (below) for hospitalized children aged <2 to 17 years; screens for both under- and overnutrition. | X | X | | X | | |
| PYMS <i>Paediatric Yorkhill Malnutrition Score</i> | Developed for hospitalized children >1 year of age | X | | X | X | X ³ | |
| SCAN <i>Nutrition Screening Tool for Childhood Cancer</i> | Developed for children with a cancer diagnosis | | | X | X | X ^{3,9} | |
| STAMP | Developed for hospitalized children aged 2–17 years; allows for repeated screening | X | X | | X | X ³ | |

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| <i>Screening Tool for the Assessment of Malnutrition</i> | | | | | | | |
| STAMP (Mod) <i>Screening Tool for the Assessment of Malnutrition in Pediatrics - Modified</i> | Modified version of STAMP (above) for children in the outpatient setting | X | X | | X | X ³ | |
| STRONGkids <i>Screening Tool for Risk on Nutritional status and Growth</i> | Developed for hospitalized children to decrease complexity of previously available tools. | | X | X | X | X ^{9,10} | X ¹² |

¹Dietary habits, cooking techniques, meal patterns

²Visible severe wasting, bipedal edema

³Medical condition or diagnosis, severity of disease or intensive treatment which may affect nutritional intake

⁴Dietary behavior

⁵Physical activity/sedentary behavior

⁶Food security; screen time

⁷Includes parent/caregiver reported concerns about weight/growth

⁸Includes parent/caregiver reported concerns about oral and feeding skills

⁹Gastrointestinal symptoms causing nutritional losses (vomiting, diarrhea)

¹⁰Pain or other symptoms causing inability to eat

¹¹Visibly under-overweight

¹²Pre-existing nutrition intervention

Screening Tool References:

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- STAMP:** McCarthy H, Dixon M, Crabtree I, Eaton-Evans MJ, McNulty H. The development and evaluation of the Screening Tool for the Assessment of Malnutrition in Paediatrics (STAMP®) for use by healthcare staff. *J Hum Nutr Diet.* 2012 Aug; 25(4): 311-318. Epub 2012 May 9. PMID: 22568534; Wong S, Graham A, Hirani S, Grimble G, Forbes A. Validation of the Screening Tool for the Assessment of Malnutrition in Paediatrics (STAMP) in patients with spinal cord injuries (SCIs). *Spinal Cord.* 2013; 51: 424-429. PMID 23295470.
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