

- Title** [Clinical effectiveness of newborn screening for severe combined immunodeficiency (SCID)]
- Agency** Galician Agency for Health Knowledge Management (ACIS)  
Scientific Advice Unit, avalia-t  
Edificio Administrativo San Lázaro 15781 Santiago de Compostela  
Telf.: 881 541 831 Fax: 881 542 854 e-mail: [avalia-t@sergas.es](mailto:avalia-t@sergas.es) ·  
<http://avalia-t.sergas.gal>
- Reference** Cantero-Muñoz P, Puñal Riobóo J. Efectividad clínica del cribado neonatal para la detección precoz de las inmunodeficiencias combinadas graves (IDCG). Red Española de Agencias de Evaluación de Tecnologías Sanitarias y Prestaciones del SNS. Agencia Gallega para la Gestión del Conocimiento en Salud (ACIS), Unidad de Asesoramiento Científico-técnico, avalia-t; Madrid: Ministerio de Sanidad, Consumo y Bienestar Social. 2018. Available from: <https://avalia-t.sergas.gal/DXerais/776/avalia-t201706CribadoIDCG.pdf>

**Aim:** The main objective of this study was to assess the clinical effectiveness of newborn screening for severe combined immunodeficiency (SCID).

**Conclusions and results:**

The evidence of the effectiveness of screening programmes of inborn errors of metabolism assessed in this review was of low quality and was based on observational studies with direct evidence being furnished in only some cases.

**Recommendations** (if any)

**Methods:** Systematic literature review of the principal biomedical databases: Medline, Embase, Cochrane Library Plus, HTA, DARE, NHSEED, ISI Web of Science and Scopus, among others. Two search strategies were used, one centred on epidemiology, natural history, morbidity, mortality, diagnosis and treatment, and the other centred on the screening of each disease. To retrieve all existing systematic reviews and assessment reports on screening programmes, we updated the bibliographic searches of the avalia-t reports until April 2018. Studies were selected on the basis of a series of inclusion/exclusion criteria. This procedure was completed by a manual review of the bibliographic references cited in the papers selected. As final conclusions, the 18 national screening criteria set out in the "Framework Document" were answered. These criteria provide guidance for strategic decision to implement screening population programs.

**Further research/reviews required:** not applicable.

**Written by:** Paula Cantero-Muñoz. Information Specialist.  
Galician Agency for HTA (avalia-t) Spain.