

## Healthy People 2010 Operational Definition

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**28-11. Increase the proportion of newborns who are screened for hearing loss by age 1 month, have audiologic evaluation by age 3 months, and are enrolled in appropriate intervention services by age 6 months.**

**28-11a. Screening for hearing loss before age 1 month.**

<b>National Data Source</b>	Early Hearing Detection and Intervention (EHDI) Program, CDC, NCBDDD; Directors of Speech and Hearing Programs in State Health and Welfare Agencies (DSHPSHWA).
<b>State Data Source</b>	Jurisdictional Early Hearing Detection and Intervention (EHDI) Program data
<b>Healthy People 2000 Objective</b>	Not applicable.
<b>Changes since the 2000 Publication</b>	New subobjective (see Comments).
<b>Measure</b>	Percent.
<b>Baseline (Year)</b>	66 (2001)
<b>Target</b>	90
<b>Target-Setting Method</b>	36 percent improvement.  For a discussion of target-setting methods, see Part A, section 4.
<b>Numerator</b>	Number of newborns who received an objective physiological hearing screening procedure before 1 month of age.
<b>Denominator</b>	Number of live births.
<b>Population Targeted</b>	U.S. live births.
<b>Questions Used To Obtain the National Baseline Data</b>	Not applicable.
<b>Expected Periodicity</b>	Periodic.
<b>Comments</b>	Hearing screening procedures could include otoacoustic emissions (OAE), and/or auditory

brainstem response (ABR).

Objective 28-11 moved from developmental to measurable during the Healthy People 2010 Midcourse Review. Three subobjectives were created, focusing on the three age categories addressed in the original objective. Objective 28-11a focuses on newborns screened for hearing loss before age 1 month; 28-11b addresses infants not passing the hearing screening who receive an audiologic evaluation before age 3 months; and 28-11c focuses on infants with confirmed hearing loss who are enrolled in intervention services before age 6 months.

Data related to the provisions of hearing screening and follow-up (e.g., diagnostic and intervention) services are collected annually from jurisdictional EHDI Programs. These data were first collected by the Directors of Speech and Hearing Programs in State Health and Welfare Agencies (1999-2004) and are currently collected by the CDC (2005-2007).

In 2005, the CDC began working directly with the jurisdictions to acquire annual data through a new survey tool, called the Hearing Screening and Follow-up Survey (HSFS). This survey requested more complete data and included more specific data definitions, which is why some of the rates in 2005 - 2007 are lower and are not comparable with the data reported in previous years.

The number of States providing data varied among the subobjectives, with fewer States reporting on audiologic evaluation (28-11b) and intervention services (28-11c) than on hearing screening (28-11a). Participation in the survey has increased from 22 States providing data for year 2000 to 46 States, 3 territories, and the District of Columbia for year 2006. Over time, more jurisdictions are expected to provide data for the annual survey.

See Appendix A for focus area contact information.