

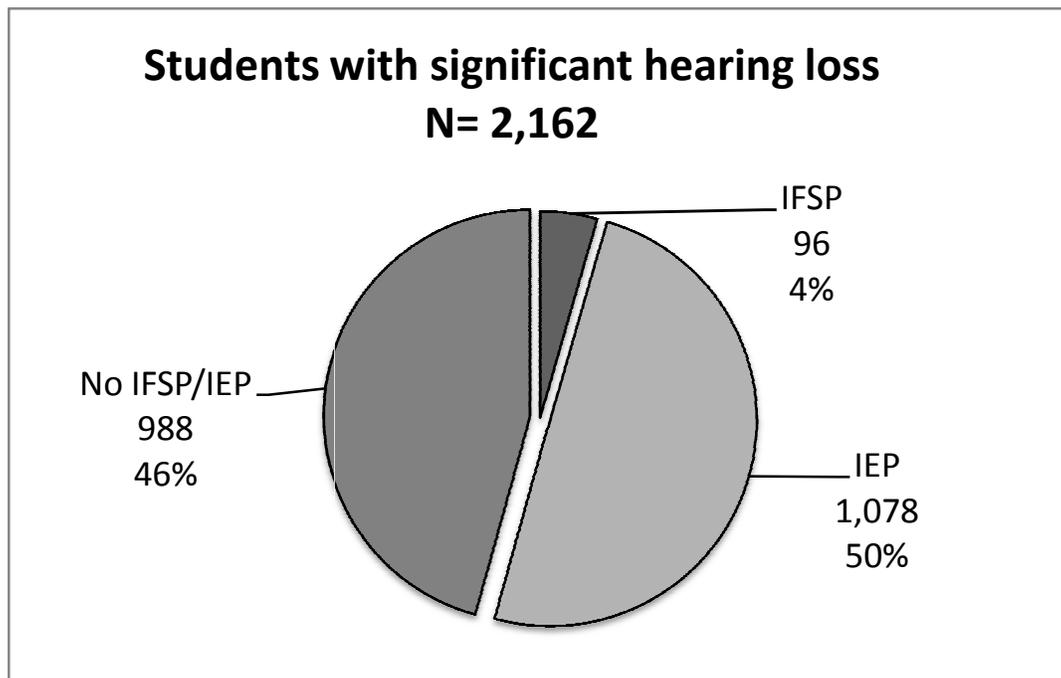
Achievement Data on Students Who Are Deaf or Hard of Hearing in Iowa for School Years 2010-2011 and 2011-2012 September 24, 2012

In May 2012, the Iowa Area Educational Agencies (AEAs) provided the Iowa Department of Education with a list of students with a significant hearing loss, whether or not they received special education services. The educational audiologists in the AEAs have a common definition of significant hearing loss.

A significant hearing loss is defined as:

- A unilateral permanent hearing loss, moderate or greater (45dB Pure Tone Average – PTA at 500, 1000, 2000 Hz) OR
- A bilateral permanent hearing loss, mild or greater (25dB PTA at 500, 1000, 2000 Hz) OR
- A bilateral permanent high frequency hearing loss (35dB PTA at 2 or more of the following frequencies- 2000, 3000, 4000 Hz in the better ear) OR
- A hearing loss that, based on the professional discretion of the audiologist, may affect a student academically (e.g.- chronic conductive, fluctuating) AND
- Hearing services provided by an audiologist and/or teacher of the deaf or hard of hearing. (Hearing services provided by an audiologist would include an audiological assessment, consultation or inservice to general education staff, monitoring of audiological equipment, etc.)

Preliminary data in June 2012 indicated 2,756 students. The data were cleaned and we have a final total of 2,162 students (birth – 12th grade or 21 years) who met the definition above.



Those in grades 3-8 & 11 were matched for achievement data in school years 2010-11 and 2011-12. We determined achievement for reading and math for: 1) all DHH students, 2) DHH students without IEPs and 3) DHH students with IEPs. The numbers indicate individual students and are not indicative of a cohort of students. The reading and math assessments in 2010-2011 were ITBS, ITED and Iowa alternate Assessment. The reading and math assessments in 2011-2012 were Iowa Assessments and Iowa Alternate Assessment. Students in grades 3-8 & 11 were tested.

The Iowa Testing Program provided guidance on how to calculate expected growth from the former test (ITBS/ITED) to the new test (Iowa Assessments) so that we could determine how many students made one year's growth or more. Growth cannot be figured for students taking the Iowa Alternate Assessments or for students not tested in both school years. They are not included in the last column.

All DHH Students with and without IEPs

Test	2010-2011	2011-2012	Made Growth
Reading	1,168/2,162 were in grades 3-8 & 11 and took the test 671/1168 (57%) were proficient	1,209/2,162 were in grades 3-8 & 11 and took the test 697-1209 (58%) were proficient	946 students had test results for both school years. 433/946 (46%) had one year's growth or more
Math	1,169/2,162 were in grades 3-8 & 11 and took the test 718/1169 (61%) were proficient	1,209/2,162 were in grades 3-8 & 11 and took the test 770/1209 (64%) were proficient	946 students had test results for both school years. 487/946 (51%) had one year's growth or more

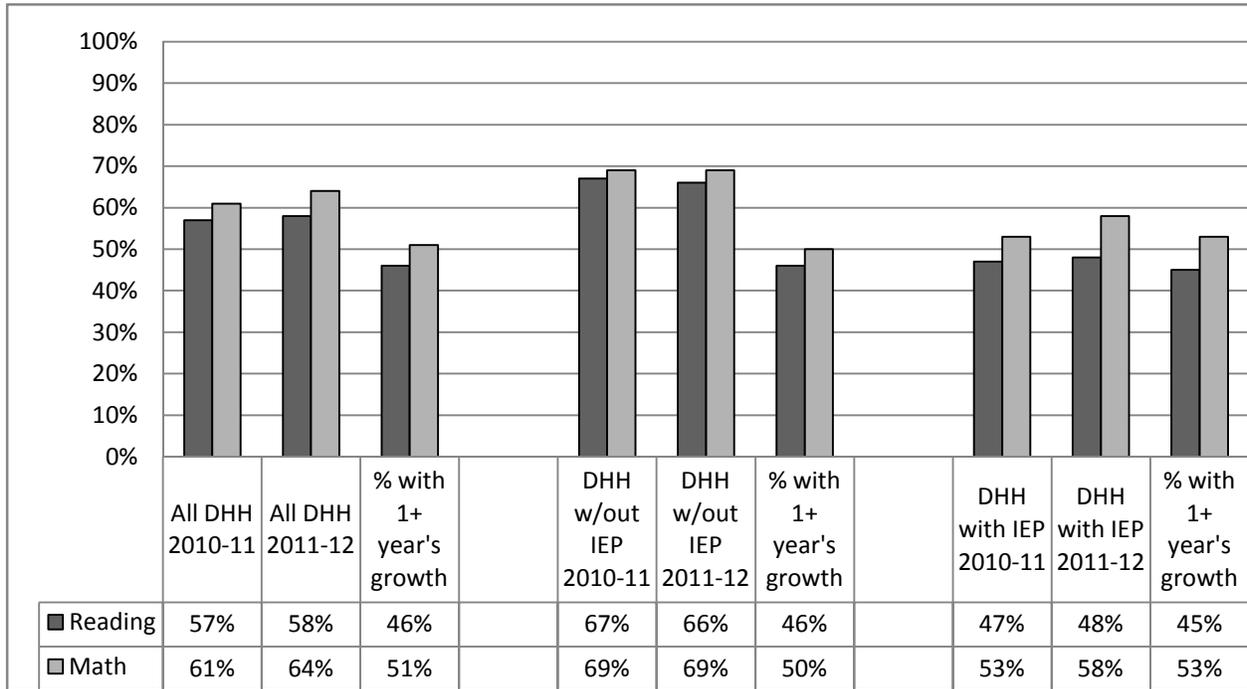
DHH Students without IEPs

Test	2010-2011	2011-2012	Made Growth
Reading	601 were in grades 3-8 & 11 and took the test 405/601 (67%) were proficient	630 were in grades 3-8 & 11 and took the test 417/630 (66%) were proficient	497 students had test results for both school years. 229/497(46%) had one year's growth or more
Math	602 were in grades 3-8 & 11 and took the test 417/602 (69%) were proficient	630 were in grades 3-8 & 11 and took the test 437/630 (69%) were proficient	497 students had test results for both school years. 249/497 (50%) had one year's growth or more

DHH Students with IEPs

Test	2010-2011	2011-2012	Made Growth
Reading	567 were in grades 3-8 & 11 and took the test 266/567 (47%) were proficient	579 were in grades 3-8 & 11 and took the test 280/579 (48%) were proficient	449 students had test results for both school years. 204/449 (45%) had one year's growth or more
Math	567 were in grades 3-8 & 11 and took the test 301/567 (53%) were proficient	579 were in grades 3-8 & 11 and took the test 333/579 (58%) were proficient	449 students had test results for both school years. 238/449 (53%) had one year's growth or more

DHH Student Achievement - Percent Proficient



“All DHH” means:

- all students who met the definition of ‘significant hearing loss (see page 1)
- including students with an IEP and without an IEP
- who are in grades 3-8 and 11
- who took the achievement test

“% with 1+ year’s growth” means for students who had test results for both school years, the percent who had one year’s growth or more.