

2004-2005 STATE SUMMARY

Gallaudet Research Institute * 800 Florida Avenue, NE * Washington, DC 20002

202-651-5575 * 1-800-451-8834 ext 5575

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AGE	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	2	5.1	233	2.5	841	2.2
Total known information	37	100.0	9075	100.0	36659	100.0
Under 3 years	1	2.7	288	3.2	1244	3.4
From 3 to 5 years	2	5.4	789	8.7	3419	9.3
From 6 to 9 years	13	35.1	1907	21.0	7898	21.5
From 10 to 13 years	14	37.8	2716	29.9	10348	28.2
From 14 to 17 years	7	18.9	2587	28.5	10230	27.9
18 years and older	0	0.0	788	8.7	3520	9.6
SEX	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	0	0.0	38	0.4	148	0.4
Total known information	39	100.0	9270	100.0	37352	100.0
Male	23	59.0	4966	53.6	20253	54.2
Female	16	41.0	4304	46.4	17099	45.8
RACE/ETHNIC BACKGROUND	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	0	0.0	131	1.4	583	1.6
Total known information	39	100.0	9177	100.0	36917	100.0
White	2	5.1	3523	38.4	18712	50.7
Black/African-American	0	0.0	529	5.8	5647	15.3
Hispanic/Latino	0	0.0	3805	41.5	9226	25.0
American Indian/Alaska Native	0	0.0	211	2.3	307	0.8
Asian/Pacific Islander	29	74.4	652	7.1	1512	4.1
Other	7	17.9	167	1.8	708	1.9
Multi-ethnic background indicated	1	2.6	290	3.2	805	2.2

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AGE AT ONSET OF HEARING LOSS	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	1	2.6	439	4.7	1551	4.1
Total known information	38	100.0	8869	100.0	35949	100.0
At Birth	14	36.8	3767	42.5	15212	42.3
Under 3 years	11	28.9	1396	15.7	6930	19.3
3 years or older	0	0.0	437	4.9	1985	5.5
Unknown	13	34.2	3269	36.9	11822	32.9

AGE AT ONSET OF HEARING LOSS	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	1	2.6	439	4.7	1551	4.1
Total known information	38	100.0	8869	100.0	35949	100.0
At Birth	14	36.8	3767	42.5	15212	42.3
Under One Year	6	15.8	482	5.4	2631	7.3
Unknown, but before age 2	4	10.5	656	7.4	2953	8.2
Unknown	13	34.2	3269	36.9	11822	32.9
1 year of age	1	2.6	119	1.3	587	1.6
2 years of age	0	0.0	139	1.6	759	2.1
3 years of age	0	0.0	97	1.1	554	1.5
4 years of age	0	0.0	76	0.9	361	1.0
5 years of age	0	0.0	66	0.7	336	0.9
6 years of age	0	0.0	46	0.5	205	0.6
7 years of age	0	0.0	40	0.5	137	0.4
8+ years of age	0	0.0	112	1.3	392	1.1

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ETIOLOGY **	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	1	2.6	562	6.0	1778	4.7
Total Known Information	38	100.0	8746	100.0	35722	100.0
Genetic/Hereditary/Familial	6	15.8	2036	23.3	8107	22.7
Pregnancy Related						
Maternal rubella	0	0.0	59	0.7	232	0.6
Cytomegalovirus (CMV)	0	0.0	119	1.4	629	1.8
Maternal drug/alcohol abuse	0	0.0	66	0.8	256	0.7
Medications taken by mother	0	0.0	23	0.3	101	0.3
Rh incompatibility	0	0.0	16	0.2	78	0.2
Consequence of prematurity	1	2.6	259	3.0	1428	4.0
Trauma at birth	1	2.6	48	0.5	231	0.6
Other complications of pregnancy	0	0.0	337	3.9	1346	3.8
Post-Birth Disease/Injury						
Otitis media	2	5.3	357	4.1	1718	4.8
Meningitis	2	5.3	289	3.3	1291	3.6
Other infections	1	2.6	108	1.2	408	1.1
Medications taken by child	1	2.6	132	1.5	554	1.6
Trauma after birth	0	0.0	72	0.8	252	0.7
Other post-birth cause	0	0.0	300	3.4	1207	3.4
Cause cannot be determined/DNA	25	65.8	4834	55.3	19193	53.7
+SPECIFIC GENETIC CAUSE OR SYNDROME						
Total students	6	100.0	2036	100.0	8107	100.0
Information NOT reported	2	33.3	1412	69.4	4964	61.2
Total known information	4	100.0	624	100.0	3143	100.0
Waardenburg syndrome	0	0.0	45	7.2	152	4.8
Usher syndrome	0	0.0	19	3.0	91	2.9
Treacher syndrome	1	25.0	21	3.4	104	3.3
Down syndrome	2	50.0	78	12.5	275	8.7
CHARGE syndrome	0	0.0	38	6.1	176	5.6
Chromosome abnormality	0	0.0	18	2.9	69	2.2
Connexin-26 (GJB2)	0	0.0	13	2.1	57	1.8
Other	1	25.0	400	64.1	2237	71.2

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+ New question for the 2004-2005 survey year

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PARENTAL HEARING STATUS	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	0	0.0	874	9.4	2887	7.7
Total known info., Either Parent	39	100.0	8434	100.0	34613	100.0
Mother's status: Hearing	39	100.0	7777	92.2	31860	92.0
Hard of hearing	0	0.0	222	2.6	1027	3.0
Deaf	0	0.0	402	4.8	1601	4.6
Unknown	0	0.0	33	0.4	125	0.4
Father's status: Hearing	37	94.9	7350	87.1	29851	86.2
Hard of hearing	0	0.0	137	1.6	706	2.0
Deaf	0	0.0	377	4.5	1410	4.1
Unknown	2	5.1	570	6.8	2646	7.6
Both parents hearing	37	94.9	7127	84.5	28866	83.4
Both parents deaf or hard of hearing	0	0.0	377	4.5	1445	4.2
One parent deaf/hh; other hearing	0	0.0	327	3.9	1531	4.4
One parent deaf/hh; other unknown	0	0.0	57	0.7	323	0.9
One parent hearing; other unknown	2	5.1	546	6.5	2448	7.1
HAS DEAF OR HARD OF HEARING SIBLINGS						
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	0	0.0	421	4.5	1617	4.3
Total known information	39	100.0	8887	100.0	35883	100.0
Has deaf or hard of hearing siblings	2	5.1	1283	14.4	4923	13.7
Has no deaf or hard of hearing siblings	36	92.3	6846	77.0	28059	78.2
Data Not Available	1	2.6	758	8.5	2901	8.1

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UNAIDED AUDIOMETRIC THRESHOLDS MEASUREMENT	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	8	20.5	1903	20.4	7708	20.6
Total known information	31	100.0	7405	100.0	29792	100.0
Earphone (preferred measurement)	28	90.3	6381	86.2	25499	85.6
Sound field	3	9.7	904	12.2	3965	13.3
+ABR	0	0.0	120	1.6	328	1.1
DEGREE OF HEARING LOSS						
	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	5	12.8	1245	13.4	5364	14.3
Total known information	34	100.0	8063	100.0	32136	100.0
Normal (< 27 dB, ANSI)	1	2.9	1606	19.9	5493	17.1
Mild (27-40 dB, ANSI)	1	2.9	1083	13.4	3975	12.4
Moderate (41-55 dB, ANSI)	6	17.6	1118	13.9	4318	13.4
Mod-severe (56-70 dB, ANSI)	5	14.7	906	11.2	3908	12.2
Severe (71-90 dB, ANSI)	12	35.3	1108	13.7	4835	15.0
Profound (91 dB and above, ANSI)	9	26.5	2242	27.8	9607	29.9
COCHLEAR IMPLANT						
	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	0	0.0	456	4.9	1428	3.8
Total known information	39	100.0	8852	100.0	36072	100.0
Have not had a cochlear implant	39	100.0	8210	92.7	32021	88.8
Have had a cochlear implant	0	0.0	642	7.3	4051	11.2
Implant Use						
Total students	0	0.0	642	100.0	4051	100.0
Information NOT reported	0	0.0	30	4.7	191	4.7
Total known information	0	0.0	612	100.0	3860	100.0
Implant still used	0	0.0	572	93.5	3544	91.8
Implant no longer used	0	0.0	40	6.5	316	8.2

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COCHLEAR IMPLANT USE IN CLASSROOM	Guam		West		Nation	
	N	%	N	%	N	%
Total students	0	0.0	642	100.0	4051	100.0
Information NOT reported	0	0.0	85	13.2	725	17.9
Total known information	0	0.0	557	100.0	3326	100.0
Implant used in classroom	0	0.0	511	91.7	3001	90.2
Implant not used in classroom	0	0.0	46	8.3	325	9.8
FUNCTIONAL HEARING ABILITY	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	1	2.6	476	5.1	1651	4.4
Total known information	38	100.0	8832	100.0	35849	100.0
Functions normally	2	5.3	938	10.6	4102	11.4
Mildly limited	13	34.2	3342	37.8	13068	36.5
Moderately limited	3	7.9	917	10.4	3794	10.6
Severely limited	7	18.4	2267	25.7	10456	29.2
No functional hearing	13	34.2	1368	15.5	4429	12.4
HEARING AID USE FOR INSTRUCTION	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	0	0.0	271	2.9	1007	2.7
Total known information	39	100.0	9037	100.0	36493	100.0
Hearing aid used for instruction	19	48.7	5255	58.1	21604	59.2
Hearing aid not used for instruction	20	51.3	3782	41.9	14889	40.8
GROUP ASSISTIVE LISTENING DEVICE(ALD)USE	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	0	0.0	406	4.4	1849	4.9
Total known information	39	100.0	8902	100.0	35651	100.0
Group ALD used for instruction	32	82.1	2835	31.8	14701	41.2
Group ALD not used for instruction	7	17.9	6067	68.2	20950	58.8

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SPOKEN/WRITTEN LANGUAGES IN THE HOME	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	1	2.6	330	3.5	1115	3.0
Total known information	38	100.0	8978	100.0	36385	100.0
English	14	36.8	5391	60.0	27476	75.5
Spanish	0	0.0	1932	21.5	4438	12.2
Other	7	18.4	293	3.3	914	2.5
Multiple languages	17	44.7	1362	15.2	3557	9.8
SIGN USE IN THE HOME						
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	1	2.6	453	4.9	1540	4.1
Total known information	38	100.0	8855	100.0	35960	100.0
Family members regularly sign	14	36.8	2284	25.8	9626	26.8
Family members do not regularly sign	24	63.2	6229	70.3	24906	69.3
Data not available	0	0.0	342	3.9	1428	4.0
COMMUNICATION MODE PRIMARILY USED IN TEACHING						
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	0	0.0	141	1.5	421	1.1
Total known information	39	100.0	9167	100.0	37079	100.0
Speech only	6	15.4	4637	50.6	17738	47.8
Sign and speech	24	61.5	2702	29.5	14639	39.5
Sign only	9	23.1	1687	18.4	4149	11.2
Cued Speech	0	0.0	4	0.0	122	0.3
Other	0	0.0	137	1.5	431	1.2

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INSTRUCTIONAL SETTINGS **	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	1	2.6	94	1.0	556	1.5
Total known information	38	100.0	9214	100.0	36944	100.0
Special school or center	0	0.0	2495	27.1	10364	28.1
Self-contained clrm in req. ed. setting	33	86.8	2761	30.0	11041	29.9
Resource room	7	18.4	1300	14.1	5199	14.1
Regular education setting	27	71.1	4188	45.5	17346	47.0
Home	0	0.0	268	2.9	948	2.6
Other	1	2.6	410	4.4	2434	6.6
HRS/WK INTEGRATED W/HEARING STUDENTS						
	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	1	2.6	300	3.2	1071	2.9
Total known information	38	100.0	9008	100.0	36429	100.0
None	0	0.0	3289	36.5	13262	36.4
1 to 5 hours/week	23	60.5	988	11.0	3720	10.2
6 to 15 hours/week	8	21.1	1045	11.6	4199	11.5
16 to 25 hours/week	2	5.3	917	10.2	3768	10.3
26 or more hours/week	5	13.2	2769	30.7	11480	31.5
+ABR Results						
	Guam		West		Nation	
	N	%	N	%	N	%
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	31	79.5	8791	94.4	31062	82.8
Total known information	8	100.0	517	100.0	6438	100.0
ABR results are not available/reliable	8	100.0	398	77.0	4370	67.9
Response absent at 30 dB nHL	0	0.0	4	0.8	97	1.5
Response absent at 40 dB nHL	0	0.0	18	3.5	164	2.5
Response absent at 50 dB nHL	0	0.0	15	2.9	191	3.0
Response absent at 60 dB nHL	0	0.0	16	3.1	250	3.9
Response absent at 70-90 dB nHL	0	0.0	53	10.3	874	13.6
Response absent at 100+ dB nHL	0	0.0	13	2.5	492	7.6

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SUPPORT SERVICES RECEIVED **	Guam		West		Nation	
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Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	1	2.6	206	2.2	723	1.9
Total known information	38	100.0	9102	100.0	36777	100.0
No support services	0	0.0	794	8.7	2465	6.7
Sign interpreting	34	89.5	1988	21.8	9200	25.0
Oral interpreting	8	21.1	98	1.1	455	1.2
Cued speech transliteration	0	0.0	3	0.0	135	0.4
Itinerant teacher services	0	0.0	3731	41.0	13302	36.2
Tutoring	9	23.7	809	8.9	3301	9.0
Classroom inst. ass't/aide services	15	39.5	2100	23.1	6893	18.7
+Adaptive PE	0	0.0	445	4.9	1151	3.1
Speech training/therapy	28	73.7	4488	49.3	22172	60.3
Auditory training	11	28.9	2207	24.2	9892	26.9
Counseling	0	0.0	860	9.4	4234	11.5
Occupational/Physical Therapy (OT/PT)	2	5.3	645	7.1	3397	9.2
Notetaking	3	7.9	322	3.5	1748	4.8
Real-time captioning	0	0.0	104	1.1	610	1.7
Other	2	5.3	1086	11.9	4589	12.5
ADDIT. CONDITIONS OTHER THAN DEAFNESS**						
Total students	39	100.0	9308	100.0	37500	100.0
Information NOT reported	4	10.3	751	8.1	2093	5.6
Total known information	35	100.0	8557	100.0	35407	100.0
No condition in addition to deafness	21	60.0	5020	58.7	20390	57.6
Low vision	2	5.7	346	4.0	1173	3.3
Legal blindness	1	2.9	98	1.1	470	1.3
+Developmental delay	0	0.0	170	2.0	624	1.8
+Autism	0	0.0	93	1.1	341	1.0
+Orthopedic impairment(includes CP)	0	0.0	364	4.3	1295	3.7
Learning disability (LD)	2	5.7	899	10.5	3265	9.2
Attention Deficit Disorder (ADD/ADHD)	0	0.0	392	4.6	2235	6.3
+Speech or language impairment	0	0.0	637	7.4	3362	9.5
+Traumatic brain injury	0	0.0	12	0.1	52	0.1
Mental retardation	0	0.0	726	8.5	2902	8.2
Emotional disturbance	0	0.0	126	1.5	675	1.9
+Other health impairment	0	0.0	181	2.1	703	2.0
Other conditions	9	25.7	618	7.2	2446	6.9

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