



STATE OF MARYLAND

DHMH

Maryland Department of Health and Mental Hygiene

201 W. Preston Street • Baltimore, Maryland 21201

Martin O'Malley, Governor – Anthony G. Brown, Lt. Governor – John M. Colmers, Secretary

NOV 18 2008

The Honorable Ulysses Currie
Chairman
Senate Budget and Taxation Committee
3 West Miller Senate Office Bldg.
Annapolis, MD 21401-1991

The Honorable Norman H. Conway
Chairman
House Appropriations Committee
121 House Office Bldg.
Annapolis, MD 21401-1991

RE: 2008 Joint Chairmen's Report (P. 122) – Report on Benefits Provided to Deaf and Hard of Hearing Children Through Medicaid/MCHP

Dear Chairmen Currie and Conway:

In keeping with the requirements of the 2008 Joint Chairmen's Report (p. 122), the Department is submitting the attached report on benefits provided to deaf and hard of hearing children through Medicaid and the Maryland Children's Health Program. The report also discusses the adequacy of reimbursement levels for audiological services and the availability of Medicaid and MCHP providers for those services.

If you have questions or need more information about this subject, please contact Anne Hubbard, Director, Office of Governmental Affairs at (410) 767-6481.

Sincerely,



John M. Colmers
Secretary

Enclosure

cc: John Folkemer
Mary Mussman
Tricia Roddy
Anne Hubbard



AVAILABILITY OF AUDIOLOGIC AND HEARING AID SERVICES FOR CHILDREN WITH MEDICAID/MCHP IN MARYLAND

The 2008 Joint Chairmen's Report (p. 122) included an information request on Medicaid/MCHP services for deaf and hard of hearing (D/HOH) children. The Joint Chairmen's Report reads as follows: "The Committees are concerned that the hard of hearing and deaf children enrolled in Medicaid and the Maryland Children's Health Program (MCHP) are not receiving appropriate audiological services and nearly all private practice sites are no longer providing hearing aid services for children enrolled in Medicaid and MCHP. The Department of Health and Mental Hygiene (DHMH) should report to the committees on the benefits provided to hard of hearing and deaf children through Medicaid and MCHP. In addition, DHMH should discuss the adequacy of reimbursement levels for audiological services and the availability of Medicaid and MCHP providers for those services."

In May, 2008, the President of the Maryland Academy of Audiology sent the Secretary of DHMH a letter reiterating the concerns in the Joint Chairmen's Report, and offering to serve as a resource to the Department.

This report will describe access to audiology services by: 1) describing the Medicaid/MCHP benefit package for D/HOH children; 2) describing the total number of licensed audiologists in Maryland, and the number and location of audiologists serving Medicaid/MCHP children; 3) describing the service utilization of the children; 4) comparing county of residence with county of service location; and 5) summarizing the inquiries/complaints related to audiology services. The time period for review will be FYs 2007 and 2008.

In addition, reimbursement for audiology services for children will be addressed by: 1) describing current reimbursement rates; and 2) comparing them to other mid-Atlantic State Medicaid program rates. Finally, recommendations for changes to the reimbursement structure will be proposed.

BACKGROUND

Maryland has a very rich benefit package for children in Medicaid/MCHP. Virtually any service that is medically necessary for a child is a covered benefit under the Medicaid Early and Periodic Screening, Diagnosis, and Treatment (EPSDT) program. Commercial insurance policies, on the other hand, provide coverage for hearing aids or related services only about one-third of the time. Although current statute mandates hearing aid coverage in Maryland up to \$1,400 per aid every 36 months, companies not based in Maryland are not required to comply. Dr. Paul Farrell, Director of the Hearing Aid Loan Bank in the Maryland State Department of Education, estimates that the large number of out-of-state firms and large military presence keep the number of children with commercial insurance who have hearing aids as a covered benefit at about 30%. Comprehensive audiology and hearing aid services are covered benefits for Medicaid/MCHP children, primarily through a service carve-out from managed care that is paid through fee-for-service. The only exceptions are universal newborn hearing screening and cochlear implants which remain the obligation of the managed care organizations (MCOs). Cochlear implant services revert to fee-for-service after the three-month post-operative period. In this way the Maryland Medicaid program controls the rates for audiology services, since the services are not within the purview of the MCOs.

Since 2003, Medicaid physician fees in Maryland have been set using Medicare fees as a goal. Consequently, Medicaid benefits from the careful determination of the appropriate fee for each of the billing codes conducted by Medicare through its Resource-Based Relative Value Scale methodology that takes into account practice expense, physician work, and malpractice expense. However, because Medicare does not cover hearing aids or related services, we are not provided a benchmark with which to set rates for these services.

An additional historical complication is that physicians who perform audiological services had been paid on one fee schedule and audiologists had been paid on another. For the 20 CPT codes with a separate rate for audiologists, audiologists were paid less than physicians for 11 of the codes, the same for 2 codes, and more for 7 codes. For codes where audiologists were paid less, the Department increased the rates to equal those of physicians in FY 2009.

The Medicaid payment methodology for hearing aid equipment was changed in 2005 in order to bring it in line with the general trend toward mirroring Medicare reimbursement for durable medical equipment. Prior to that time dispensers were allowed to charge Medicaid the retail cost. Now, they are restricted to invoicing for their acquisition cost only. Providers are paid a dispensing fee in addition to their acquisition cost for the hearing aids, which also covers multiple visits in order to fit and adjust the aids.

ACCESS

During FY2007 and FY2008, 765,922 fee-for-service audiologic services were provided to 42,808 Medicaid/MCHP recipients. Not all these recipients were D/HOH, since many services were diagnostic, or provided to children without a hearing loss (of the 42,808 children, 6,224 children received 26,945 services that are specifically coded with a diagnosis of hearing loss). These 765,922 services include hearing testing, hearing aid services and speech therapy. 94% of the total services were speech therapy services. The speech services were provided in the recipient's home county 88% of the time. Services provided by licensed audiologists, the focus of this report, accounted for 13,851 of the 765,922 services, and were provided in the recipient's home county only 42% of the time.

There were many different professionals providing hearing-related services to recipients, including hospitals, physicians, therapy group providers, speech/language pathologists, federally-qualified health centers, local health departments, and local education agencies, in addition to audiologists. However, hearing aid fittings and dispensing are generally provided only by audiologists (see Attachment 1 – Audiology and Speech-Related Services Among Children Receiving Medicaid Services in Maryland 2006-2007, By County and Provider Type).

There are 354 licensed audiologists in the State of Maryland. Eighteen audiologists (some of whom are hospital-based) in seven different counties actively provided services to Medicaid/MCHP through Medicaid fee-for-service during the study timeframe of FY2007 and 2008 (see Attachment 2 – Audiologists Providing Services to Maryland Medicaid Recipients Under Age 21, by County, FY2007-08). In summary, fewer than one-third of Maryland counties had a hearing services provider located within their boundaries.

An additional indication of accessibility of hearing-related services is a review of complaints received by the Department. During FY 2008, there were nine inquiries about audiology. This hotline category includes both hearing and speech services. The nine inquiries involved the following categories: access to therapist; education about services; and clarification of the carve-out provision. There were six complaints: one billing issue; and the rest about authorizations or coordination of care. Of these 15 calls, five were from recipients who were D/HOH: three for durable medical equipment problems; one for dental care; and one for laboratory services. Although these hotline data do not appear to demonstrate a problem with access for the large number of children using audiology services, it is of concern that three children had some barrier to receiving their durable equipment, presumably hearing aids.

REIMBURSEMENT

For audiology service procedures for which a Medicare physician fee exists, Maryland pays an average of 92% of the Medicare fee to physicians and audiologists. This is higher than those paid by other Medicaid programs in our region. Maryland's 92% is followed by Delaware at 91%, Virginia and West Virginia at 65%, Pennsylvania at 55%, and District of Columbia at 54% of the Medicare fee.

For hearing aid exams and selection of aids for both ears, a service not covered by Medicare, Maryland Medicaid pays \$13 to physicians and \$65 to audiologists, while the only two states for which we have rate data are Pennsylvania paying \$18 and Virginia paying \$77.

Maryland dispensing fees for hearing aids are \$106 and \$175 for single and bilateral hearing aids. The only other state for which we are able to obtain comparable rate information is Virginia, which pays \$300 and \$600, respectively for these services. The Virginia rates represent the national 60th percentile of billed charges for this service (see Attachment 3 for reimbursement information).

SUMMARY

Children in Medicaid have a rich package of benefits for hearing and speech related services compared to privately insured children. It appears children are being served adequately based on complaint and utilization data. For speech services, children generally receive services in their home county. For hearing services, children must travel to one of the 18 providers in seven jurisdictions.

RECOMMENDATION

Maryland dispensing fees to audiologists for hearing aids appear low. Maryland Medicaid changed its reimbursement for hearing aids to a common Medicare model of DME pricing (acquisition cost only) in 2005. Because Medicare does not reimburse for hearing aid dispensing there is not an adequate accompanying fee for Medicaid to adopt for audiologists to support their time investment in fitting and adjusting hearing aids for children.

For FY2010 the Medicaid program will consider an increase in hearing aid dispensing fees as part of its annual fee adjustments, subject to available funding from the Provider Rate Stabilization Fund. Maryland may want to follow Virginia's lead in basing the fee for dispensing aids on a percentile of the national billed charges for these procedure codes in the absence of a Medicare rate.

The relationship between reimbursement rates and willingness of providers to serve Medicaid children is not directly associated. However, the Medicaid program would be more likely to have an adequate and more convenient audiologist network statewide if program fees were more attractive to providers.

Attachment 1 – Audiology and Speech-Related Services Among Children Receiving Medicaid Services in Maryland 2006-2007, By County and Provider Type

County	Provider Type	Service	# Offering the Service
Allegany	Audiology Services Provider	ACOUSTIC REFLEX TESTING	3
		BASIC COMPREHENSIVE AUDIOMRTRY DIAGNOSTC	4
		BATTERY FOR USE IN HEARING DEVICE	2
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	1
		DISPENSING FEE,MONAURAL HEARING AID	1
		DISPENSING FEE-BINAURAL HEARING AID	1
		EAR MOLD/INSERT,NOT DISPOSABLE,ANY TYPE	2
		EVOKED AUDITORY TEST	3
		HEARING AID CHECK MONAURAL	1
		HEARING AID EXAM AND SELECTION BINAURAL	1
		HEARING AID EXAM AND SELECTION MONAURAL	1
		HEARING AID INSURANCE/WARRANTY	1
		HEARING AID SUPPLIES/ACCESSORIES	2
		HEARING AID-DIGITAL,MONAURAL,BTE	1
		HEARING TEST	4
		REPAIR/MODIFICATION OF A HEARING AID	1
		TYMPANOMETRY	4
		Physician	ACOUSTIC REFLEX TESTING
	HEARING TEST		7
	TYMPANOMETRY		4
	Nurse Practitioner (Individual or Group)	HEARING TEST	3
		TYMPANOMETRY	1
	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	8
		EX FOR SPEECH DEVICE RX, 1 HR	1
		SPEECH & HEARING EVALUATION	8
		SPEECH/HEARING THERAPY	9
	Local Education Agencies/ Local Lead Agencies	SPEECH/HEARING THERAPY	2
TOTAL		78	
Anne Arundel	Hospital, Acute	AUDIOLOGY GENERAL CLASSIFICATION	1
	Audiology Services Provider	ACOUSTIC REFLEX TESTING	1
		BASIC COMPREHENSIVE AUDIOMRTRY DIAGNOSTC	2
		EVOKED AUDITORY TEST	1
		TYMPANOMETRY	2
	Physician	ACOUSTIC REFLEX TESTING	1
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTC	6
		EVOKED AUDITORY TEST	3
		HEARING TEST	25
		SPECIAL HEARING TEST	1
		TYMPANOMETRY	9
VISUAL AUDIOMETRY (VRA)	2		

Anne Arundel (cont'd)	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	13
		SPEECH & HEARING EVALUATION	9
		SPEECH/HEARING THERAPY	11
	Clinic, Federally Qualified Health Center	TYMPANOMETRY	1
	Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	1
		SPEECH/HEARING THERAPY	2
TOTAL			91
Baltimore City	Hospital, Acute	AUDIOLOGY DIAGNOSTIC	9
		AUDIOLOGY GENERAL CLASSIFICATION	4
		AUDIOLOGY TREATMENT	1
	Hospital, Rehabilitation Acute	AUDIOLOGY DIAGNOSTIC	1
		AUDIOLOGY GENERAL CLASSIFICATION	1
	Hospital, Chronic	AUDIOLOGY DIAGNOSTIC	1
		AUDIOLOGY GENERAL CLASSIFICATION	1
	Hospital, Special Other Acute	AUDIOLOGY GENERAL CLASSIFICATION	1
	Hospital, Special Other Chronic	AUDIOLOGY DIAGNOSTIC	1
		AUDIOLOGY GENERAL CLASSIFICATION	2
		AUDIOLOGY OTHER	1
	Physical Therapist (Individual or Group)	SPEECH/HEARING THERAPY	1
	Audiology Services Provider	ACOUSTIC REFLEX DECAY TEST	2
		ACOUSTIC REFLEX TESTING	3
		AUDITOR EVOKE POTENT, LIMIT	1
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	5
		BATTERY FOR USE IN HEARING DEVICE	6
		BATTERY,ZINC AIR,COCHLEAR IMPNT,REPLCMNT	1
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	2
		COCHLEAR DEVICE/SYSTEM EXTERNAL	1
		COCHLEAR IMPLANT EXTERNAL SPEECH PROCESS	1
		DISPENSING FEE, CROS	1
		DISPENSING FEE,MONAURAL HEARING AID	4
		DISPENSING FEE-BINAURAL HEARING AID	5
		EAR MOLD/INSERT,NOT DISPOSABLE,ANY TYPE	5
		EVOKED AUDITORY TEST	4
		HEADSET/HEADPIECE FOR USE W/COCHLEAR IMP	1
		HEARING AID CHECK BINAURAL	6
		HEARING AID CHECK MONAURAL	5
		HEARING AID DEALERSHIP FEE MONAURAL AID	1
		HEARING AID EXAM AND SELECTION BINAURAL	4
		HEARING AID EXAM AND SELECTION MONAURAL	2
	HEARING AID INSURANCE/WARRANTY	4	
HEARING AID SUPPLIES/ACCESSORIES	3		

Baltimore City (cont'd)	Audiology Services Provider	HEARING AID, BEHIND THE EAR(BTE)- MONAURA	2
		HEARING AID, BICROS, BEHIND THE EAR(BTE)	1
		HEARING AID, CROS, BEHIND THE EAR(BTE)	1
		HEARING AID,BINAURAL,BEHIND THE EAR(BTE)	2
		HEARING AID-DIGITAL,BINAURAL,CIC	1
		HEARING AID-DIGITAL,BINAURAL,ITC	1
		HEARING AID-DIGITAL,BINAURAL,ITE	3
		HEARING AID-DIGITAL,MONAURAL,BTE	4
		HEARING AID-DIGITAL,MONAURAL,ITE	2
		HEARING AID-DIGITALLY PROGRAM,ANA,MO,ITE	1
		HEARING AID-DIGITALLY PROGRAM,BINAU,BTE	1
		HEARING AID-DIGITALLY PROGRAM,ANA,MO,ITE	1
		HEARING AID-DIGITALLY PROGRAMMABLE,BIITE	1
		HEARING SERVICE MISCELLANEOUS	1
		HEARING TEST	4
		MICROPHONE FOR USE W/COCHLEAR IMPLANT	1
		REPAIR/MODIFICATION OF A HEARING AID	5
		SPECIAL HEARING TEST	1
		TRANSMITTER CABLE,COCHLEAR IMPL,REPLMENT	1
		TRANSMITTING COIL-COCHLEAR IMPL,REPLMNT	1
	TYMPANOMETRY	5	
	Physician	ACOUSTIC REFLEX TESTING	13
		AUDITOR EVOKE POTENT, LIMIT	1
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTC	18
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	18
		ELECTROCOCHLEOGRAPHY	2
		EVOKED AUDITORY TEST	14
		HEARING AID CHECK BINAURAL	1
		HEARING TEST	58
		SPECIAL HEARING TEST	7
		TYMPANOMETRY	28
		VISUAL AUDIOMETRY (VRA)	3
	Nurse Practitioner (Individual or Group)	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTC	1
		HEARING TEST	3
	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	28
		EVALUATION OF AUDITORY REHAB STATUS, FIR	2
		EX FOR SPEECH DEVICE RX, 1 HR	3
		EX FOR SPEECH DEVICE RX, ADDL	1
		MOTION FLOUROSCOPY/SWALLOW	1
		ORAL SPEECH DEVICE EVALUATION	2
		SPEECH & HEARING EVALUATION	21
		SPEECH/HEARING THERAPY	19

		USE OF SPEECH DEVICE SERVICE	1
	Clinic, Federally Qualified Health Center	HEARING TEST	1
	Clinic, Maryland Qualified Health Center	HEARING TEST	2
		TYMPANOMETRY	1
	Dialysis Facilities	MOTION FLOUROSCOPY/SWALLOW	1
	Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTC	4
		SPEECH/HEARING THERAPY	18
	TOTAL		403
Baltimore County	Hospital, Acute	AUDIOLOGY DIAGNOSTIC	2
		AUDIOLOGY GENERAL CLASSIFICATION	2
	Physical Therapist (Individual or Group)	EVALUATE SWALLOWING FUNCTION	1
		SPEECH & HEARING EVALUATION	1
		SPEECH/HEARING THERAPY	1
	Speech/Lang. Pathologist	ACOUSTIC REFLEX DECAY TEST	1
		ACOUSTIC REFLEX TESTING	1
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTC	1
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	1
		EVOKED AUDITORY TEST	1
		HEARING TEST	1
		SPEECH & HEARING EVALUATION	3
		SPEECH/HEARING THERAPY	5
		TYMPANOMETRY	1
	Audiology Services Provider	ACOUSTIC REFLEX TESTING	6
		AUDITOR EVOKE POTENT, LIMIT	3
		AUDITORY FUNCTION, 60 MIN	1
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTC	7
		BATTERY FOR USE IN HEARING DEVICE	3
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	4
		COCHLEAR IMPLT F/UP EXAM 7>	1
		COCHLEAR IMPLT F/UP EXAM <7	1
		DISPENSING FEE-BINAURAL HEARING AID	2
		EAR MOLD/INSERT,NOT DISPOSABLE,ANY TYPE	3
		ELECTROCOCHLEOGRAPHY	1
		EVOKED AUDITORY TEST	5
		HEARING AID CHECK BINAURAL	3
		HEARING AID CHECK MONAURAL	1
		HEARING AID EXAM AND SELECTION BINAURAL	1
		HEARING AID INSURANCE/WARRANTY	1
		HEARING AID SUPPLIES/ACCESSORIES	1
		HEARING AID-DIGITAL,MONAURAL,BTE	1
		HEARING AID-DIGITALLY PROGRAM,BINAU,BTE	1
		HEARING TEST	3
		ORAL SPEECH DEVICE EVALUATION	1
		REPAIR/MODIFICATION OF A HEARING AID	2
		REPROGRAM COCHLEAR IMPLT 7 >	1

Baltimore County (cont'd)	Audiology Services Provider	REPROGRAM COCHLEAR IMPLT <7	1
		SPECIAL HEARING TEST	1
		SPEECH & HEARING EVALUATION	1
		SPEECH/HEARING THERAPY	1
		TINNITUS ASSESSMENT	1
		TYMPANOMETRY	7
		VISUAL AUDIOMETRY (VRA)	1
	Physician	ACOUSTIC REFLEX DECAY TEST	2
		ACOUSTIC REFLEX TESTING	13
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	20
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	2
		ELECTROCOCHLEOGRAPHY	3
		EVALUATE SWALLOWING FUNCTION	1
		EVOKED AUDITORY TEST	12
		HEARING AID CHECK MONAURAL	1
		HEARING TEST	73
		REPROGRAM COCHLEAR IMPLT 7 >	1
		SPECIAL HEARING TEST	2
		TYMPANOMETRY	33
		VISUAL AUDIOMETRY (VRA)	2
		Therapy Group Provider	EVALUATE SWALLOWING FUNCTION
	SPEECH & HEARING EVALUATION		19
	SPEECH/HEARING THERAPY		20
	Clinic, Local Health Department	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	2
		SPEECH & HEARING EVALUATION	2
		SPEECH/HEARING THERAPY	2
	Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	2
SPEECH/HEARING THERAPY		12	
TOTAL		341	
Calvert	Physician	ACOUSTIC REFLEX TESTING	3
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	4
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	1
		EVOKED AUDITORY TEST	1
		HEARING TEST	5
		TYMPANOMETRY	6
		Therapy Group Provider	EVALUATE SWALLOWING FUNCTION
	SPEECH & HEARING EVALUATION		1
	SPEECH/HEARING THERAPY		2
	Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	2
		SPEECH/HEARING THERAPY	2
TOTAL		28	
Caroline	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	2
		EX FOR SPEECH DEVICE RX, 1 HR	1
		SPEECH & HEARING EVALUATION	1
		SPEECH/HEARING THERAPY	2
		USE OF SPEECH DEVICE SERVICE	2

Caroline (cont'd)	Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	2	
		SPEECH/HEARING THERAPY	3	
	TOTAL		13	
Carroll	Hospital, Acute	AUDIOLOGY DIAGNOSTIC	1	
		AUDIOLOGY GENERAL CLASSIFICATION	1	
	Physician	BRAINSTEM EVOKED RESPONSE RECORDING ABR	2	
		HEARING TEST	13	
		TYMPANOMETRY	2	
	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	9	
		SPEECH & HEARING EVALUATION	4	
		SPEECH/HEARING THERAPY	4	
	Clinic, Local Health Department	ACOUSTIC REFLEX TESTING	1	
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	1	
		ELECTROACOUSTIC EVAL HEARING AID BINAURAL	1	
		ELECTROACOUSTIC EVAL HEARING AID MONAURAL	1	
		EVOKED AUDITORY TEST	1	
		HEARING AID CHECK BINAURAL	1	
		HEARING AID CHECK MONAURAL	1	
		HEARING AID EXAM AND SELECTION BINAURAL	1	
		SPECIAL HEARING TEST	1	
		TYMPANOMETRY	1	
		VISUAL AUDIOMETRY (VRA)	1	
	Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	2	
		SPEECH/HEARING THERAPY	4	
	TOTAL		53	
	Cecil	Hospital, Acute	AUDIOLOGY GENERAL CLASSIFICATION	1
		Physical Therapist (Individual or Group)	SPEECH & HEARING EVALUATION	1
			SPEECH/HEARING THERAPY	1
		Audiology Services Provider	ACOUSTIC REFLEX TESTING	2
			BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	1
EVOKED AUDITORY TEST			1	
HEARING TEST			1	
Physician		TYMPANOMETRY	2	
		ACOUSTIC REFLEX TESTING	2	
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	2	
		EVOKED AUDITORY TEST	3	
Therapy Group Provider		HEARING TEST	9	
		TYMPANOMETRY	2	
		EVALUATE SWALLOWING FUNCTION	2	
		EX FOR SPEECH DEVICE RX, 1 HR	1	
		SPEECH & HEARING EVALUATION	1	
Local Education Agencies/ Local Lead Agencies		SPEECH/HEARING THERAPY	1	
		USE OF SPEECH DEVICE SERVICE	1	
			2	
		TOTAL		36

Charles	Hospital, Acute	AUDIOLOGY DIAGNOSTIC	1	
	Audiology Services Provider Audiology Services Provider	ACOUSTIC REFLEX DECAY TEST	1	
		ACOUSTIC REFLEX TESTING	1	
		AUDITOR EVOKE POTENT, LIMIT	1	
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTC	1	
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	1	
		DISPENSING FEE-BINAURAL HEARING AID	1	
		EAR MOLD/INSERT,NOT DISPOSABLE,ANY TYPE	1	
		EVOKED AUDITORY TEST	1	
		HEARING AID CHECK BINAURAL	1	
		HEARING AID CHECK MONAURAL	1	
		HEARING AID EXAM AND SELECTION BINAURAL	1	
		REPAIR/MODIFICATION OF A HEARING AID	1	
		SPECIAL HEARING TEST	1	
		TYMPANOMETRY	1	
		Physician	ACOUSTIC REFLEX TESTING	3
	AUDITORY FUNCTION, + 15 MIN		1	
	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTC		3	
	BRAINSTEM EVOKED RESPONSE RECORDING ABR		2	
	EVOKED AUDITORY TEST		1	
	HEARING TEST		13	
	SPECIAL HEARING TEST		2	
	TYMPANOMETRY		5	
	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	3	
		SPEECH & HEARING EVALUATION	2	
		SPEECH/HEARING THERAPY	2	
	Clinic, Federally Qualified Health Center	HEARING TEST	1	
	Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTC	1	
		SPEECH/HEARING THERAPY	2	
	TOTAL		56	
	Dorchester	Physical Therapist (Individual or Group)	SPEECH & HEARING EVALUATION	1
			SPEECH/HEARING THERAPY	1
Physician		ACOUSTIC REFLEX TESTING	1	
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTC	1	
		HEARING TEST	1	
		TYMPANOMETRY	1	
Therapy Group Provider		EVALUATE SWALLOWING FUNCTION	2	
		SPEECH & HEARING EVALUATION	1	
		SPEECH/HEARING THERAPY	1	
Children's Medical Services Provider		SPEECH/HEARING THERAPY	1	
Local Education Agencies/ Local Lead Agencies		BASIC COMPREHENSIVE AUDIOMRTRY DIAGNOSTC	2	
		SPEECH/HEARING THERAPY	2	
TOTAL			15	

Frederick	Hospital, Acute	AUDIOLOGY DIAGNOSTIC	1
	Speech/Lang. Pathologist	SPEECH/HEARING THERAPY	1
	Physician	ACOUSTIC REFLEX TESTING	2
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	4
		EVOKED AUDITORY TEST	5
		HEARING TEST	16
		SPECIAL HEARING TEST	1
		TYMPANOMETRY	8
		HEARING TEST	2
	Nurse Practitioner (Individual or Group) Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	8
		SPEECH & HEARING EVALUATION	5
		SPEECH/HEARING THERAPY	5
	Clinic, Drug Abuse (Methadone)	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	1
		HEARING TEST	1
		TYMPANOMETRY	1
	Clinic, Local Health Department	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	2
		TYMPANOMETRY	1
	Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	4
		SPEECH/HEARING THERAPY	4
	MH Clinic	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	1
		HEARING TEST	1
TYMPANOMETRY		1	
TOTAL		75	
Garrett	Hospital, Acute	AUDIOLOGY DIAGNOSTIC	1
	Physician	HEARING TEST	3
		TYMPANOMETRY	1
	Nurse Practitioner (Individual or Group)	HEARING TEST	2
		TYMPANOMETRY	1
	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	4
		SPEECH & HEARING EVALUATION	2
		SPEECH/HEARING THERAPY	3
	Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	2
		SPEECH/HEARING THERAPY	2
TOTAL		21	
Harford	Hospital, Acute	AUDIOLOGY DIAGNOSTIC	1
	Audiology Services Provider	ACOUSTIC REFLEX DECAY TEST	1
		ACOUSTIC REFLEX TESTING	1
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	2
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	1
		EVOKED AUDITORY TEST	1
		TYMPANOMETRY	2
		ACOUSTIC REFLEX TESTING	2
	Physician	AUDITOR EVOKE POTENT, LIMIT	1
BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC		7	

Harford (cont'd)	Physician	BRAINSTEM EVOKED RESPONSE RECORDING ABR	2
		EVOKED AUDITORY TEST	5
		HEARING AID EXAM AND SELECTION MONAURAL	1
		HEARING TEST	24
		SPECIAL HEARING TEST	1
		TYMPANOMETRY	17
		VISUAL AUDIOMETRY (VRA)	1
	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	5
		SPEECH & HEARING EVALUATION	6
		SPEECH/HEARING THERAPY	5
Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	2	
	SPEECH/HEARING THERAPY	2	
TOTAL		90	
Howard	Hospital, Acute	AUDIOLOGY DIAGNOSTIC	1
		AUDIOLOGY GENERAL CLASSIFICATION	1
	Physical Therapist (Individual or Group)	SPEECH & HEARING EVALUATION	1
		SPEECH/HEARING THERAPY	1
	Speech/Language Pathologist	SPEECH/HEARING THERAPY	1
	Physician	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	4
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	3
		EVOKED AUDITORY TEST	2
		HEARING TEST	15
		TYMPANOMETRY	6
	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	2
		SPEECH & HEARING EVALUATION	1
		SPEECH/HEARING THERAPY	1
Local Education Agencies/ Local Lead Agencies	SPEECH/HEARING THERAPY	3	
TOTAL		42	
Kent	Physical Therapist (Individual or Group)	EVALUATE SWALLOWING FUNCTION	1
		MOTION FLOUROSCOPY/SWALLOW	1
		SPEECH & HEARING EVALUATION	1
		SPEECH/HEARING THERAPY	1
	Physician	HEARING TEST	3
		TYMPANOMETRY	1
	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	2
	Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	1
		SPEECH/HEARING THERAPY	1
TOTAL		12	
Montgomery	Hospital, Acute	AUDIOLOGY DIAGNOSTIC	3
		AUDIOLOGY GENERAL CLASSIFICATION	1
	Physical Therapist (Individual or Group)	SPEECH & HEARING EVALUATION	1
		SPEECH/HEARING THERAPY	1
	Audiology Services Provider	ACOUSTIC REFLEX DECAY TEST	1
		ACOUSTIC REFLEX TESTING	3
BASIC COMPREHENSIVE AUDIOMETRY		4	

Montgomery (cont'd)	Audiology Services Provider	DIAGNOSTIC	
		BATTERY FOR USE IN HEARING DEVICE	1
		DISPENSING FEE,MONAURAL HEARING AID	1
		EAR MOLD/INSERT,NOT DISPOSABLE,ANY TYPE	1
		EVOKED AUDITORY TEST	1
		HEARING AID CHECK MONAURAL	1
		HEARING AID EXAM AND SELECTION MONAURAL	1
		HEARING AID SUPPLIES/ACCESSORIES	1
		HEARING AID, CROS, BEHIND THE EAR(BTE)	1
		HEARING AID-DIGITAL,MONAURAL,BTE	1
		HEARING TEST	2
		REPAIR/MODIFICATION OF A HEARING AID	1
		SPECIAL HEARING TEST	1
		TYMPANOMETRY	4
	Physician	ACOUSTIC REFLEX DECAY TEST	3
		ACOUSTIC REFLEX TESTING	10
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	14
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	5
		ELECTROCOCHLEOGRAPHY	3
		EVOKED AUDITORY TEST	10
		EX FOR SPEECH DEVICE RX, 1 HR	1
		HEARING TEST	62
		SPECIAL HEARING TEST	3
		TYMPANOMETRY	32
	Nurse Practitioner (Individual or Group)	HEARING TEST	1
	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	18
		SPEECH & HEARING EVALUATION	15
		SPEECH/HEARING THERAPY	13
	Clinic, Local Health Department	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	1
		HEARING AID CHECK MONAURAL	1
		HEARING AID EXAM AND SELECTION BINAURAL	1
		HEARING TEST	1
	Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	1
SPEECH/HEARING THERAPY		4	
TOTAL		230	
Out of State I	Speech/Lang. Pathologist	SPEECH & HEARING EVALUATION	1
		SPEECH/HEARING THERAPY	1
	Physician	ACOUSTIC REFLEX TESTING	1
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	2
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	1
		EVOKED AUDITORY TEST	1
		EX FOR SPEECH DEVICE RX, ADDL	1
		HEARING TEST	3
		ORAL SPEECH DEVICE EVAL	1

Out of State 1 (cont'd)		TYMPANOMETRY	1
	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	1
	TOTAL		14
Out of State 2	Hospital, Acute	AUDIOLOGY DIAGNOSTIC	5
		AUDIOLOGY GENERAL CLASSIFICATION	1
	Hospital, Special Other Acute	AUDIOLOGY DIAGNOSTIC	2
	Physician	ACOUSTIC REFLEX TESTING	1
		AUDITOR EVOKE POTENT, LIMIT	2
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	3
		EVOKED AUDITORY TEST	2
		HEARING TEST	3
		SPECIAL HEARING TEST	1
		TYMPANOMETRY	6
		VISUAL AUDIOMETRY (VRA)	2
	Therapy Group Provider	SPEECH & HEARING EVALUATION	1
		SPEECH/HEARING THERAPY	1
	TOTAL		30
	Prince George's	Hospital, Acute	AUDIOLOGY DIAGNOSTIC
AUDIOLOGY GENERAL CLASSIFICATION			1
Physical Therapist (Individual or Group)		EVALUATE SWALLOWING FUNCTION	1
		SPEECH & HEARING EVALUATION	1
		SPEECH/HEARING THERAPY	1
Speech/Lang. Pathologist		SPEECH & HEARING EVALUATION	2
		SPEECH/HEARING THERAPY	3
Physician		ACOUSTIC REFLEX DECAY TEST	1
		ACOUSTIC REFLEX TESTING	9
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	21
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	5
		EVOKED AUDITORY TEST	5
		HEARING AID EXAM AND SELECTION BINAURAL	1
		HEARING TEST	45
		SPECIAL HEARING TEST	1
		TYMPANOMETRY	23
Therapy Group Provider		EVALUATE SWALLOWING FUNCTION	11
		SPEECH & HEARING EVALUATION	8
		SPEECH/HEARING THERAPY	11
Dialysis Facilities		EVALUATE SWALLOWING FUNCTION	1
		SPEECH & HEARING EVALUATION	1
		SPEECH/HEARING THERAPY	1
Children's Medical Services Provider		SPEECH/HEARING THERAPY	1
Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	1	
	SPEECH/HEARING THERAPY	4	
TOTAL		161	
Queen Anne's	Physician	HEARING TEST	4
		TYMPANOMETRY	2
	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	1

Queen Anne's (cont'd)	Local Education Agencies/ Local Lead Agencies	SPEECH/HEARING THERAPY	2
	TOTAL		9
Somerset	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	2
		SPEECH & HEARING EVALUATION	2
		SPEECH/HEARING THERAPY	2
	Clinic, Federally Qualified Health Center	HEARING TEST	1
	Local Education Agencies/ Local Lead Agencies	SPEECH/HEARING THERAPY	2
	TOTAL		9
St. Mary's	Hospital, Acute	AUDIOLOGY GENERAL CLASSIFICATION	1
		Physician	ACOUSTIC REFLEX TESTING
	Physician	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	2
		HEARING TEST	11
		TYMPANOMETRY	10
		Therapy Group Provider	EVALUATE SWALLOWING FUNCTION
	Therapy Group Provider	EVALUATION OF AUDITORY REHAB STATUS, FIR	1
		SPEECH & HEARING EVALUATION	2
		SPEECH/HEARING THERAPY	3
		Local Education Agencies/ Local Lead Agencies	SPEECH/HEARING THERAPY
	TOTAL		43
	Talbot	Hospital, Acute	AUDIOLOGY DIAGNOSTIC
AUDIOLOGY GENERAL CLASSIFICATION			1
Physician		ACOUSTIC REFLEX DECAY TEST	1
		ACOUSTIC REFLEX TESTING	2
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	3
		EVOKED AUDITORY TEST	7
		HEARING TEST	2
		TYMPANOMETRY	8
Nurse Practitioner (Individual or Group)		EVOKED AUDITORY TEST	1
		TYMPANOMETRY	1
Therapy Group Provider		EVALUATE SWALLOWING FUNCTION	2
Local Education Agencies/ Local Lead Agencies		SPEECH/HEARING THERAPY	1
TOTAL		30	
Unknown	Audiology Services Provider	ACOUSTIC REFLEX DECAY TEST	1
		ACOUSTIC REFLEX TESTING	3
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	3
		EVOKED AUDITORY TEST	3
		TYMPANOMETRY	3
	Physician	ACOUSTIC REFLEX TESTING	1
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	1
		HEARING TEST	2
		TYMPANOMETRY	1
	Therapy Group Provider	VISUAL AUDIOMETRY (VRA)	1
EVALUATE SWALLOWING FUNCTION		7	
	SPEECH & HEARING EVALUATION	4	

Unknown (cont'd)		SPEECH/HEARING THERAPY	6
	Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	1
		SPEECH/HEARING THERAPY	1
	TOTAL		38
Washington	Hospital, Acute	AUDIOLOGY DIAGNOSTIC	1
	Speech/Language Pathologist	SPEECH & HEARING EVALUATION	2
		SPEECH/HEARING THERAPY	2
	Physician	ACOUSTIC REFLEX TESTING	6
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	8
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	2
		EVOKED AUDITORY TEST	1
		HEARING TEST	18
		SPECIAL HEARING TEST	2
		TYMPANOMETRY	13
		VISUAL AUDIOMETRY (VRA)	1
		Nurse Practitioner (Individual or Group)	HEARING TEST
	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	10
		SPEECH & HEARING EVALUATION	3
		SPEECH/HEARING THERAPY	5
	Clinic, Federally Qualified Health Center	HEARING TEST	1
		TYMPANOMETRY	1
	Clinic, Local Health Department	ACOUSTIC REFLEX TESTING	1
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	1
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	1
		EVOKED AUDITORY TEST	1
		HEARING AID CHECK BINAURAL	1
		HEARING AID CHECK MONAURAL	1
		HEARING AID EXAM AND SELECTION BINAURAL	1
		TYMPANOMETRY	1
	Local Education Agencies/ Local Lead Agencies	SPEECH/HEARING THERAPY	2
	TOTAL		88
D.C.	Hospital, Acute	AUDIOLOGY DIAGNOSTIC	5
		AUDIOLOGY GENERAL CLASSIFICATION	1
	Hospital, Special Other Acute	AUDIOLOGY DIAGNOSTIC	1
		AUDIOLOGY GENERAL CLASSIFICATION	1
		AUDIOLOGY OTHER	1
	Hospital, Special Other Chronic	AUDIOLOGY GENERAL CLASSIFICATION	1
	Physician	ACOUSTIC REFLEX TESTING	5
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	5
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	4
		ELECTROCOCHLEOGRAPHY	1
		EVOKED AUDITORY TEST	18
		HEARING TEST	11
SPECIAL HEARING TEST		1	

D.C. (cont'd)	Physician	SPEECH & HEARING EVALUATION	1
		TYMPANOMETRY	5
	Nurse Practitioner (Individual or Group)	EVOKED AUDITORY TEST	1
	Dialysis Facilities	ACOUSTIC REFLEX TESTING	1
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	1
		HEARING TEST	1
		TYMPANOMETRY	1
TOTAL		66	
Wicomico	Hospital, Acute	AUDIOLOGY GENERAL CLASSIFICATION	1
	Physician	ACOUSTIC REFLEX DECAY TEST	1
		ACOUSTIC REFLEX TESTING	4
		BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	4
		BRAINSTEM EVOKED RESPONSE RECORDING ABR	3
		EVOKED AUDITORY TEST	4
		HEARING TEST	10
		TYMPANOMETRY	5
		VISUAL AUDIOMETRY (VRA)	2
	Nurse Practitioner (Individual or Group)	HEARING TEST	1
	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	4
		SPEECH & HEARING EVALUATION	4
		SPEECH/HEARING THERAPY	2
	Local Education Agencies/ Local Lead Agencies	BASIC COMPREHENSIVE AUDIOMETRY DIAGNOSTIC	2
		SPEECH/HEARING THERAPY	2
TOTAL		49	
Worcester	Therapy Group Provider	EVALUATE SWALLOWING FUNCTION	3
		SPEECH & HEARING EVALUATION	3
		SPEECH/HEARING THERAPY	3
	Local Education Agencies/ Local Lead Agencies	SPEECH/HEARING THERAPY	2
	TOTAL		11
	TOTAL		2,132

**Attachment 2 – Audiologists Providing Services to Maryland Medical Assistance
Recipients Under Age 21 Years, by County, FY2007-2008**

	Allegany	Baltimore City	Baltimore County	Cecil	Charles	Harford	Montgomery
Audiology Associates			√				
Cara Adornetto Audiologist		√					
Dana Sokolowski Audiologist				√			
Deborah Doyle Allen						√	
Elise D Smith Audiologist		√					
GBMC Center For Hearing Excellence			√				
Gregory S Wilson Audiologist					√		
Hearing & Speech Agency		√					
Hearing Assessment Center Inc.			√				
Hearing Healthcare Inc.							√
Jana Brown Audiologist	√						
JHH Hearing & Speech Clinic		√					
Kennedy Krieger Hearing & Speech		√					
Laguinn P Sherlock Audiologist		√					
MAICO Hearing Aids Inc.		√					
Robert H W Saltsman MS CCC-A			√				
Tara Crane Audiologist	√						
Towson State University Speech and Language Hearing Center			√				

Created by the Hilltop Institute

Attachment 3 – States’ Fees for Audiology HCPCS Procedures

HCPCS Code	Procedure Description	MD (FY09)	Virginia	Wisconsin	New York	Nebraska	Montana	Texas	National 60 th Percentile*
V5241	Dispensing fee, monaural	\$106	\$300	\$302	\$135	\$254	\$262	\$115	\$300
V5160	Dispensing fee, binaural	\$175	\$600	\$543	\$200	\$508	\$325	\$170	\$600

*The national 60th percentile of charge data are from Ingenix database