



Emergency Communication for the Hard of Hearing, Deaf and Deaf-Blind Populations

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Objectives of this Session



- > To explain the different levels of deafness and cultural implications
- To explain the need to tailor emergency messages to suit the Deaf community
- To show the CDC Emergency Communication System's (ECS) response to this community's need



Deafness

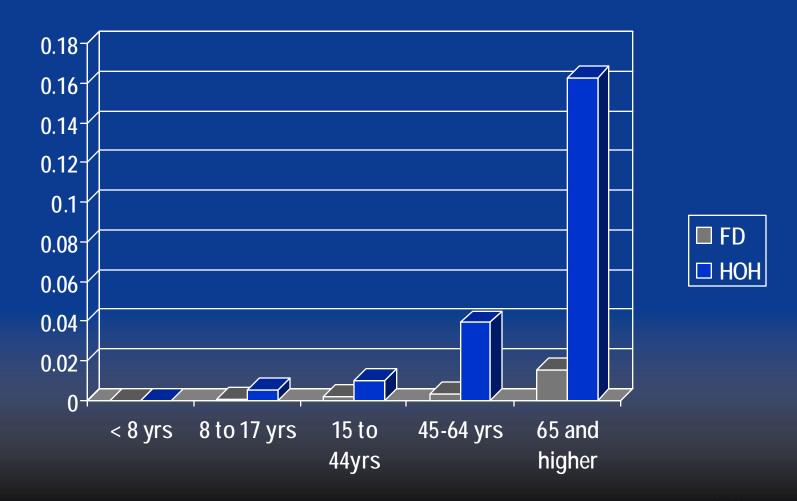


- Deaf-Complete loss of Hearing
- Hard of Hearing-Some hearing loss and use of hearing aid is helpful
- Late-Deafened-Become deaf later in life (Elderly population)
- Deaf-Blind-Combination of hearing and vision loss (varying degrees)



Percentage of persons who report difficulty hearing normal conversation by age group in US, 2002 (GRI, 2005)

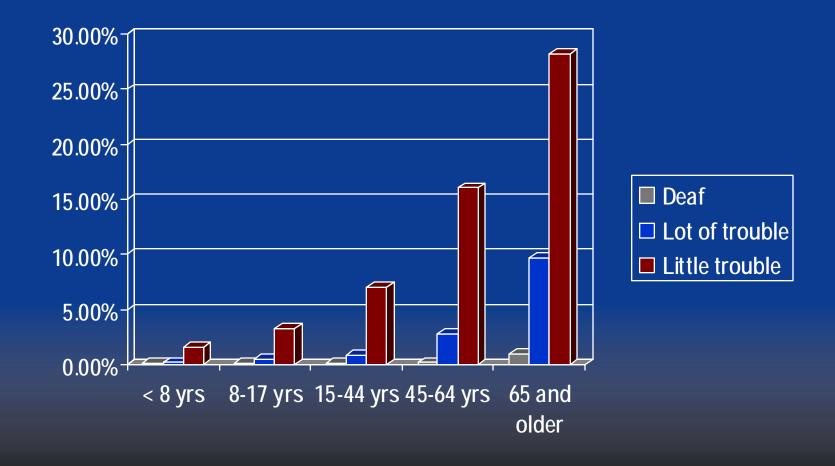






Percentage of persons who report some level of hearing trouble by age group in US, 1997-2003 (GRI, 2005)







Deaf Culture



- Deaf refers to a particular group of deaf people who:
 - Share a language: American Sign Language (ASL)
 - > Share a culture
- deaf refers to the audiological condition of not hearing



Why is it so important to reach out to the Deaf during an emergency?



- Hearing loss has a major impact on communication in emergencies
- September 11/01 and Hurricane Katrina exposed many glaring weaknesses in the preparedness infrastructure
- > DHHCAN and NVRC Survey (2003)

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Why is it so important to reach out to the Deaf during an emergency?



- > DHHCAN and NVRC Survey Goals:
 - > Qualify and quantity problems encountered by deaf and hard of hearing persons
 - > Ascertain extent of the problems
- > DHHCAN and NVRC Survey Major Finding:
 - > The Deaf need accessible and effective communication during an emergency



What is ECS?



An all-hazards response unit comprised of 11 teams with resources and structures to provide emergency information through appropriate channels and to multiple audiences.



Community Health Outreach and Education Team (CHET)



- Works directly with affected communities to identify & address specific needs
- Assures messages are accessible to key audiences
- > Provides emergency translation services
- Develops and maintains communication channels with Faith-based, Communitybased and non-for profit orgs for message dissemination.

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Developing Emergency Messages for the Deaf, HOH and DB



- > ECS formed a workgroup: Deaf, Hard of Hearing and Deaf-blind (DHHDB) Workgroup
- > Purpose:
 - -To seek guidance on how to develop emergency messages that would be suitable for deaf, hard of hearing, latedeafened and deaf-blind populations.

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Developing Emergency Messages for the Deaf, HOH and DB



- DHHDB includes an array of external partners; specialists working in the Deaf Community:
- -Atlanta Area School for the Deaf (AASD)
- -Georgia Council for the Hearing Impaired (GACHI)
- -Postsecondary Education Programs Network (PEPNet)
- -Helen Keller National Center (HKNC)
- -American Association of the Deaf-Blind (AADB)

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Translating Messages into American Sign Language (ASL)



- Workgroup recommended translation of emergency messages to ASL to reach Deaf community
- ECS and NCEH identified 10 Public Service Announcements (PSAs) related to EH emergencies to translate into ASL.
- >PSAs were tailored to suit the Deaf population



Translating Messages into American Sign Language (ASL)



- May 2007, 10 emergency messages were signed in ASL using Deaf and Hearing ASL interpreters
- ASL pilot video clips were taped-available with feedback form at http://emergency.cdc.gov/disasters/hurricanes/psa.asp
- Each video clip includes voice over and written script



Evaluation

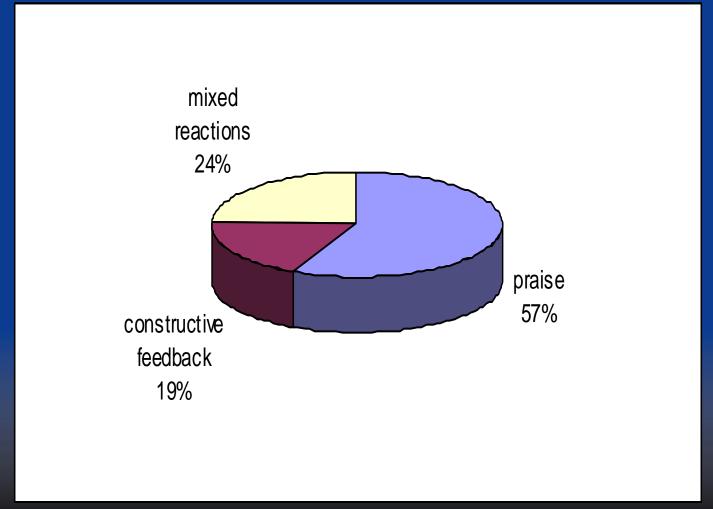


- > Focus Groups to be conducted by AASD
- > Groups will include members of:
 - > the big 'D' Deaf community
 - > the little 'd' deaf community
- > The participants will range in age from 18 years old to 50+ and include wide range of ethnicities and educational backgrounds.



Feedback on ASL Video Pilot Project (94 comments as of 10/26/07)





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Feedback on ASL Pilot Project



- > Quotes on CDC Website:
 - Thank you for thinking to interpret these messages into sign language.
 - I watched all the ASL videos. Thank you. They are very clear, and explained the information in an easy to understand way. I sent this information on to deaf friends.
 - > Absolutely fantastic. the guy did AWESOME job interpreting. i understood everything!
 - Very nicely done. May want to consider captioning this video as well, because not every deaf/hard of hearing person is fluent in sign language. Good work.

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Recommendations



- To Caption or not to Caption-That is the question!
 - Will caption current and next videos-in response to feedback and to meet 508 compliance
- Change background and shirt color of interpreter to suit Deaf-Blind
- > More facial expressions from interpreter
- > Add visual imagery to ASL translation

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Topics for next set of ASL video clips



- Pandemic Flu: vaccination and use of face masks and respirators
- > Coping with Traumatic Events
- > Mass Casualties
- > How to develop a Disaster Kit
- > How to prepare for Wildfires





Acknowledgements

- > External Partners
 - -Faith Powell (AASD)
 - -Elizabeth Spiers (AADB)
 - -Monika McJannet Werner (HKNC)
 - -Tom Galey (GACHI)
 - -Katherine Bruni (PEPNet)









Questions and Suggestions????



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