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Vocabulary and Symbols:

Adequate for Communication in Times of Emergency?

- Question: Are vocabulary and specially designed symbols available on these communication boards and speech-generating devices (SGD) adequate for effective communication during times of emergency
- Goals: (1) to identify the vocabulary needed by persons with significant disabilities who have CCN when communicating during times of emergencies; (2) to determine the degree to which this vocabulary was already available in two commonly-used symbol systems;(3) to develop and make available evidence-based, free, downloadable picture-based and text-based emergency communication aids that can be used before, during, and after emergencies

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METHOD

- · 2 online focus groups were established
 - 1 for individuals who use AAC who have had experience dealing with emergency situations (n = 9)
 - 1 for emergency management personnel (n = 8)
- Each focus group independently generated needed vocabulary for communicating during times of emergency (2 weeks)
- 2 lists combined into 1 unduplicated list and then simultaneously sent to the 2 focus groups for final review
- · Discrepancy analysis conducted comprehensive list
- · Online focus groups prioritized 50 words

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RESULTS

- 209 unique words considered to be necessary for communicating during times of emergency were
 - 76% by the icon sequences contained in Unity 128
 - 79% of the PCS symbols
- · Words missing

Attendant, Chemical (s), Damage, Disaster, Evacuate, Flood, Generator, Hazard, Incident, Infection, Injury/Injured, Liquid, Memory, Mudslide, Panic, Patient/Patience, Persistent, Shelter/sheltering, Shoot/shooting/shot, Stress, Suspect

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RESULTS

 Full list of emergency vocabulary can be found and downloaded at

http://www.disabilities.temple.edu/aacvocabulary/EMERGENCY.shtml

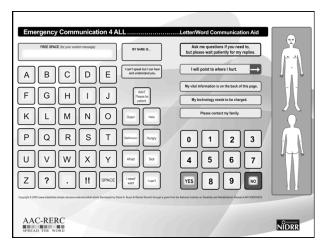
Temporary Programments

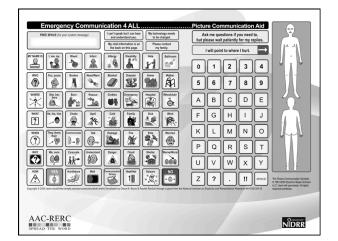
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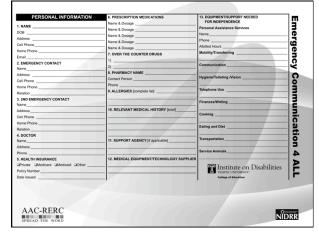
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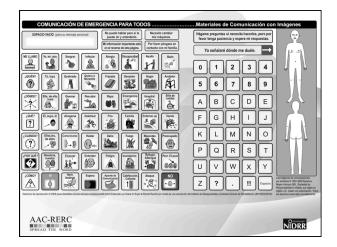


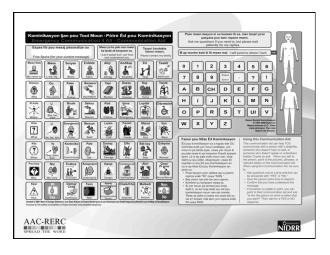






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CONCLUSIONS

- Collaboration between individuals who use AAC approaches and emergency personnel ---> needed vocabulary
- Collaborations needed among researchers, developers, and manufacturers of SGD and other [wireless] information/communication technologies
- Enhanced communication technologies have the potential for preventing emergency situations from becoming life-threatening disasters.
- The wireless technologies already exist, collaboration is needed!

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