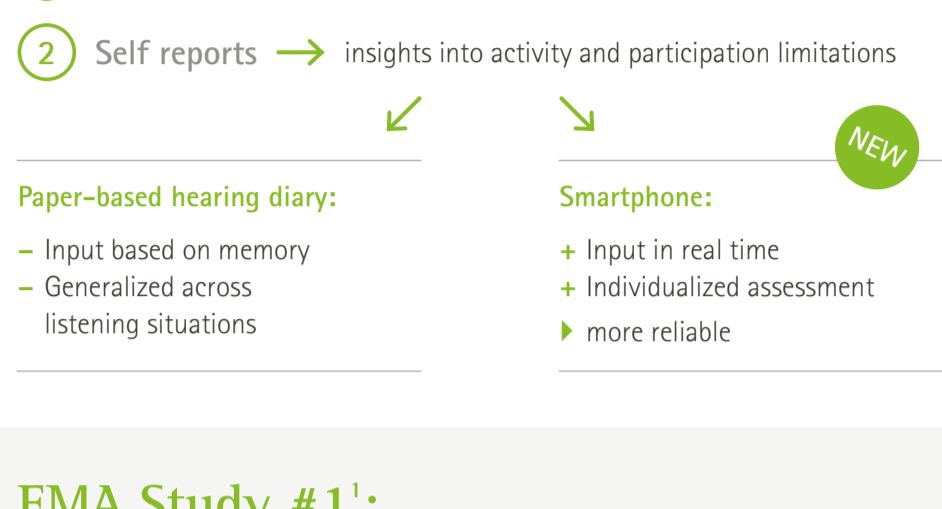


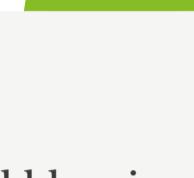
eAudiology: Measuring real-world hearing performance and hearing aid benefits with mHealth tools*

Assessment of hearing loss



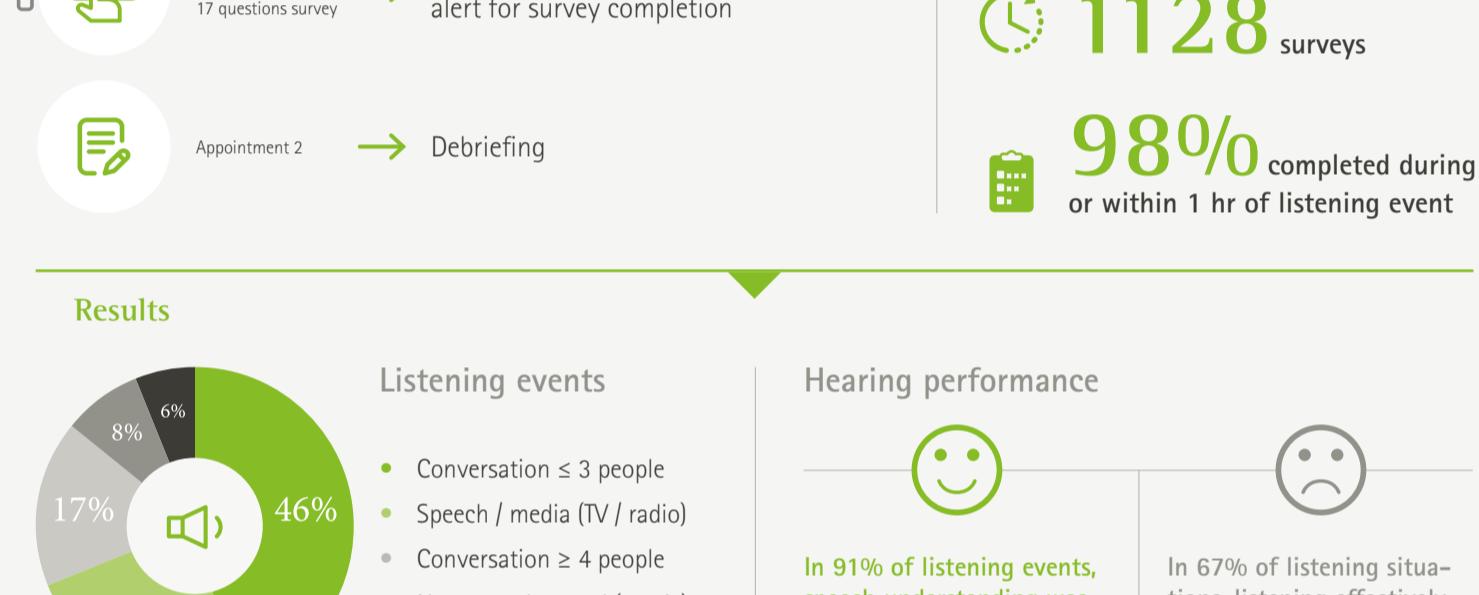
EMA – Ecological Momentary Assessment

captures data about experiences in real time in natural environments of participants



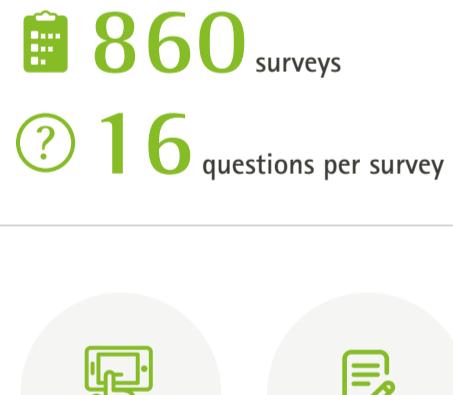
EMA Study #1¹:

? What are common listening situations of adults with mild hearing loss?
How do adults with mild hearing loss rate their hearing performance?



EMA Study #2²:

? Can hearing aids provide benefit for adults with mild hearing loss?



4 hearing performance dimensions:

- | | |
|-----------------------------------------|-----------------------------------------------------------|
| 1 speech understanding | 3 hearing difficulties negatively affecting communication |
| 2 effort required to listen effectively | 4 enjoyment of the listening events |

Results

Mild hearing loss: little impact on speech understanding, but stronger impact on other aspects relevant to daily communication, e.g. effort and enjoyment – need for individualized counseling and hearing aid modification

*Access the webinar on EMA by Barbra Timmer, PhD here: learning.phonakpro.com (where available)

¹Timmer, B. H. B., Hickson, L., & Launer, S. (2017). Ecological momentary assessment: Feasibility, construct validity and future applications. *American Journal of Audiology*, 26(3S), 436-442.

²Timmer, B. H. B., Hickson, L., & Launer, S. (2018). Do Hearing Aids Address Real-World Hearing Difficulties for Adults With Mild Hearing Impairment? Results From a Pilot Study Using Ecological Momentary Assessment. *Trends in Hearing*, 22, 1-15.