1. Background & Usability
2. 24hr Dose with Recovery
3. “Just Say NO” (to TTS)
How Loud is TOO Loud?

• Personal Media Players
• Bar/Club/Concert
• Movie Theater
• Hockey Game
• Occupational

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Usability:
- Comfort
- Interface with PMP/Comm device
- Situational awareness
- Automatic 24 hr dosimetry
- ‘Personal’ DRC
Auditory Research Platform (ARP)

24 Hour Dosimetry Example #1

![24 Hour Dosimetry Example](image)

- Dose
- Dose with Recovery

![Graphs showing dosimetry data over 24 hours](image)
24 Hour Dosimetry Example #2

Standard Dose

\[
D = \frac{100}{T_c} \sum_{i=1}^{N} t_i \cdot 10^{\frac{L_{Acq_i} - L_c}{q}}
\]

Dose with Recovery

\[
D = \frac{100}{T_c} \sum_{i=1}^{N} t_i \cdot 10^{\frac{L_{Acq_i} - L_c}{q} - 10^{\frac{L_s - L_{Acq_i}}{q_r}}}
\]

Photo: Shady Records, Aftermath, Intersope Ent.
JUST SAY NO

Ref: Strasser et al. 2008
Ref: Strasser et al. 2008
Now is the Time!