RESULTS - Prevalence
The notch prevalence by age decade is shown in Figure 2. Of the 744,553 audiogram pairs:

- 373,850 (77.1%) did not have a 4000-Hz notch in either ear, and
- 176,703 (22.9%) had a 4000-Hz notch in at least one ear:
  - 51,731 (9.6%) had notches in both ears, and
  - 62,068 (13.0%) had a notch only in the LE, and
  - 60,864 (13.0%) had a notch only in the RE.

RESULTS - Notch Depth
The distribution of notch depths is shown by ear in Figure 4 and is parsed by age decade in Figure 5:

- The mean depth for the 113,618 LE notches was 23.1 dB (SD = 9.5 dB).
- The mean depth for the 106,616 RE notches was 23.4 dB (SD = 9.5 dB).
- For both ears, the low-frequency side of the 4000-Hz notch was about twice as deep as the high-frequency side of the notch:
  - 4000-Hz threshold minus 2000-Hz threshold = 23 dB (SD = 16 dB),
  - 4000-Hz threshold minus 8000-Hz threshold = 16.5-dB difference (SD = 8 dB).
- For the unilateral group, the unnotched group, and the two groups by notch category.

RESULTS - Audiograms
The mean RE audiograms by age decade are shown in Figure 8 for the notched group, the unnotched group, and the binaural group. The RE audiograms are redlined in Figure 9 and grouped by notch category.

REFERENCES


