**Initial sample**
from the Korea National Occupational Health Surveillance 2009
(Subjects=300,741, Industries=14,201)

- All industries with compensation cases of work-related hearing loss in Korea
- Primary audiometric exam (necessarily including 1 kHz)

**Participants from selected industries**
with occupational noise ≥85dB
(n=64,974, Industries=7,394)

- Advanced audiometric exam (at various frequencies)

Subjects with hearing loss
(n=49,805: 77%)

Subjects without hearing loss
(n=15,169: 23%)

**Excluded in analysis (n=33,782)**

- Missing in covariates:
  - demographic factors (n=0)
  - clinical factors:
    - weight and height (n=31,938)
    - blood pressure (n=32,509)

**Excluded in analysis (n=1,120)**

- Nationality:
  - foreigners

**Study population**
eligible for statistical analyses
(Subjects=30,072, Industries=1,939)

Subjects with hearing loss
(n=20,461: 68%)

Subjects without hearing loss
(n=9,611: 32%)

*Hearing loss (PTA at 2, 3, 4 kHz frequencies >25 dBHL)*

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Figure S1. Study participants profile.