

Acquired Epilepsy

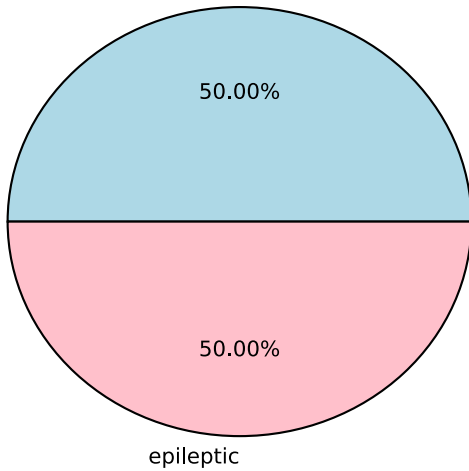
– from NCDS data 7-yr, 11-yr and 16-yr

Quick facts

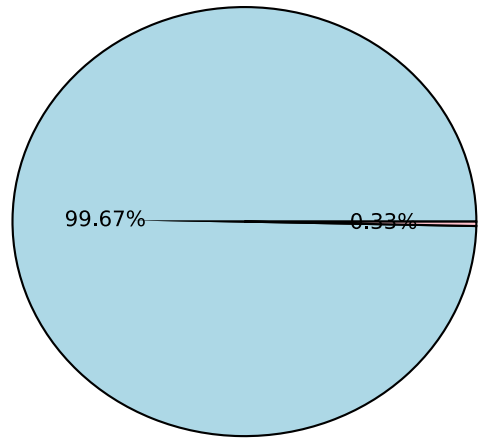
- Mission:
 - For those who did not have epilepsy at 7-yr but acquired epilepsy at 16-yr, examine their behavior and try to find decisive factors accounting for acquired epilepsy
- Healthy patient: 9382 (99.66%)
- Epileptic patient: 32 (0.34%)
- Observations: 9414
- Predictors: 8724 (with dummies)
- Model: Logistic Regression
- Parameters
 - $C = 10^{10}$
 - L1 penalty
 - Class weight 1:10
- Accuracy
 - All: 0.996
 - Healthy: 0.820
 - Epileptic: 0.636

Mothers is skilled worker

Others



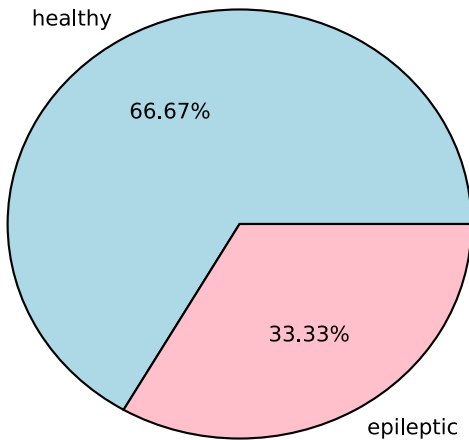
healthy



epileptic

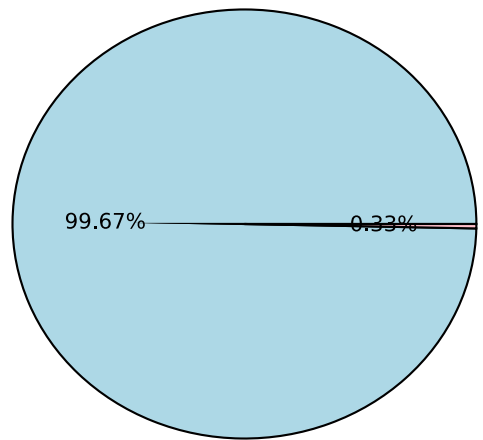
Certain type of left ear-hearing loss

Others



healthy

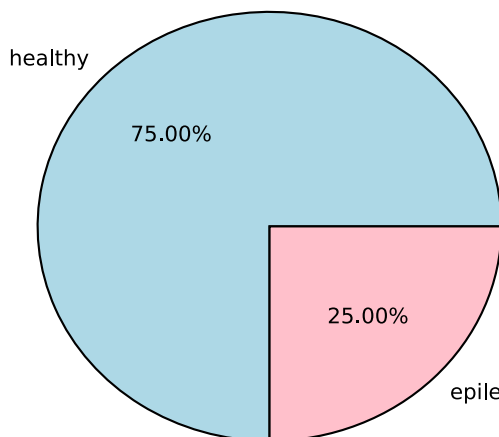
healthy



epileptic

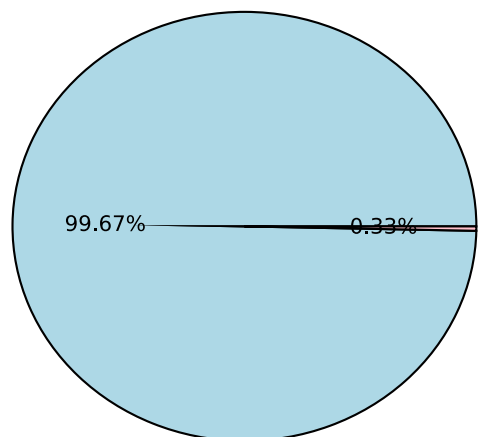
Removed appendix at 3-4 yr

Others



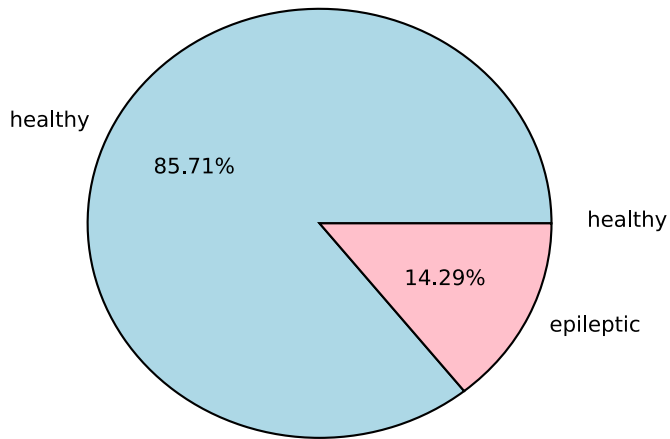
healthy

healthy

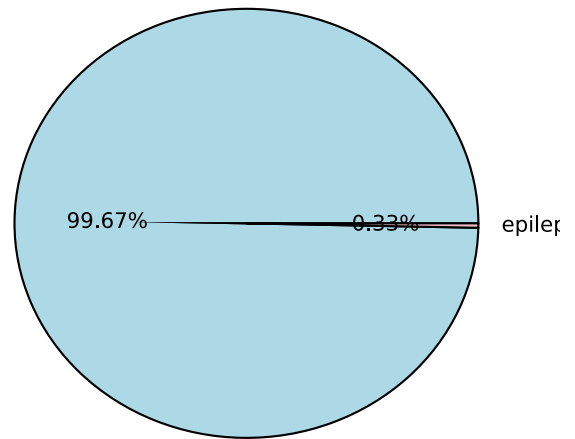


epileptic

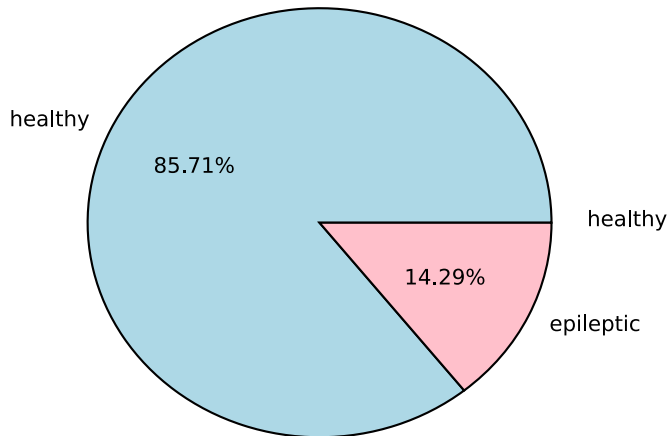
Have 3-yr older sister(s)



Others



8th subject is Other Commercial



Others

