

Questions About Familial Risks



Will I transmit my disorder?

How many cases are there with an affected father or mother and an affected child?

Familial Risks for Narcolepsy-cataplexy

Study	Geographic origin	Number of probands (relatives) studied	% Affected in first-degree relatives narcolepsy-cataplexy	EDS only	DR2/DQB1*0602 status of proband
Kessler (1976) ¹⁷	USA	125 (839)	2.1% (18)	6.3% (53)	Not done
Kales (1982) ¹⁸	USA	48 (408)	1.2% (5)	8.8% (36)	Not done
Honda (1983) ¹⁹	Japan	232 (1,254*)	1.1% (14)	4.5% (56)†	Not done
Guilleminault (1989) ²⁰	USA	334 (1,603)	0.9% (14)	Not done	93%
Billiard (1994) ²¹	France	188 (847*)	1.1% (9)	4.7% (40)†	100%
Nevsimalova (1996) ²²	Czech Republic	153 (747)	1.2–2.3% (9–17)‡	4.3% (32)†	83%

Study Results for Narcolepsy Familial Risk

- Mignot (Neurology 1992): 1-2% of subjects with narcolepsy have an affected kindred (vertical or horizontal)
 - >99% chance **not to** transmit
- Ohayon (J Sleep Res 2005): 7% of 157 Italian subjects with narcolepsy (phone survey) probands have symptoms.
 - Parent-child transmission 4%
 - 96% chance **not to** transmit symptoms
- Salpêtrière series: 4 parent-child family in 673 subjects with narcolepsy
 - 99.9% chance **not to** transmit

Will I Transmit My Disorder?

Narcolepsy: **no**

Idiopathic Hypersomnia: **no reliable information**