

**Family Table A1
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Person
Mr. A

Age
32

Pre-exposure health status
Good

Health history
No significant

Previous noise exposure
Diesel fishing boat
from childhood

Time to onset of symptoms
Immediate with progression

	Pre-exposure	During exposure*	Post exposure**
Sleep	Good but always easily awakened by noise.	"I didn't really." Hard to fall asleep. Frequent awakening due to child's frequent awakening.	Good, at baseline. Child sleeping through night.
Headache	Rare, mild	Continuous headache at home which resolved after several hours away and resumed several hours after return, with onset 3 wks into turbine start-up process. OTC and prescription analgesics, addition of glasses not helpful.	Resolved
Cognition	Normal. Runs own fishing business. Mild difficulty with memory, especially for names and faces.	Memory problems: "You'd think I was 99." When arriving at a store or storage building, could not remember what he had come to get without a list.	Partial recovery: self-rated memory 80-85% at baseline, 2% during exposure, and 10% at 6 weeks after moving
Mood	Good. Usually does not show annoyance.	Loss of usual energy and enjoyment for spring fishing season. Mildly irritable.	Anger about home abandonment, otherwise resolved.
Balance/equilibrium	Normal, never carsick or seasick	"A little shaky on feet every now and then" at home.	Resolved
Ear/hearing	Mild subjective hearing loss attributed to diesel engine exposure, no tinnitus.	Repetitive popping in ears for first 3 weeks. Tinnitus started several weeks after headache onset and worsened over time.	Resolved

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	Pre-exposure	During exposure*	Post exposure **
Eye/vision	Normal without glasses	Burning sensation in eyes. When headache and tinnitus were severe, eyes "felt like they were going to fall out on the table if you looked down." Had normal eye exam.	Resolved
Other neurological	Normal except mild concussion age 14	No change	No change
Cardiovascular	Normal including BP (110-120/80 in 2006)	Mild diastolic hypertension on one reading (128/94 on 4/4/07)	No further BP measurements obtained.
Gastrointestinal	Normal	Nausea when headache was severe. No vomiting or other gastrointestinal changes.	Resolved
Respiratory	Normal except smokes	No change	No change
Other		Symptoms were present in all wind directions, better during rain, and worse with wind from direction of turbines or from the 180 degree opposite direction. "You feel different up there, druggy, worn out before you even start anything." "It was a chore to walk across the yard."	When visiting family 100 km away, "I felt better all over, like you could do a cartwheel." Feels well at new house.

*Exposure period 5 months.

**Interviewed 6 weeks after move.

Family Table B1 (page 1 of 2)

Person

Mr. B

Age

55

Pre-exposure health status

Good

Health history

Surgery 4 times for benign prostatic hypertrophy, once for hand injury

Previous noise exposure

Diesel fishing boat from childhood

Time to onset of symptoms

Immediate with progression

	Pre-exposure	During exposure*	Post exposure**
Sleep	Good	Delayed onset and repeated awakenings; prescribed sleep aid.	Resolved
Headache	Rare, mild	Continuous, head and ears “sizzling.” “It got in your head and would dang well stay there.” Started “at back of head, then down sides, then affected right eye.” Prescription and non-prescription analgesics minimally helpful.	At baseline
Cognition	Normal	“Trouble remembering,” “a little problem concentrating” blamed on sleep deprivation	“Pretty good, a little problem still.”
Mood	Good	Stress, “lots, pretty near more’n I could take, it just burnt me, the noise and run-around”; prescribed anxiolytic.	Improved, still takes some anxiolytic.
Balance/equilibrium	Normal, never seasick or carsick, no vertigo.	Wobbly, staggering, off-balance “like had drunk.” No falls. Occasionally felt dizzy.	Resolved, on roof shingling without problems.
Ear/hearing	Normal hearing on left and mild sensorineural loss at 4kHz on right in 2006. Intermittent left tinnitus since 2005.	Tinnitus continuous and bothersome, “ringing and sizzling,” and interfering with conversation comprehension. Ears popped “like an airplane.” Ear wax increased.	Resolved

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	Pre-exposure	During exposure*	Post exposure**
Eye/vision	Normal with reading glasses.	Intermittent right eye pain “like a force on it, like pressure on the eye, the inside part, in the head.” No change in vision. Eye pain/pressure synchronous with headache.	Resolved
Other neurological	Normal, no concussion	No change	No change
Cardiovascular	Normal with BP 126/82, 126/88, 112/70 in 2006	Mild BP elevation 140/80, 132/90, 152/92. After started anxiolytic, BP 128/84.	Resolved, BP 110/68
Gastrointestinal	Normal, no GER, not prone to nausea.	Frequent nausea.	Resolved
Respiratory	Slight asthma as child. Never smoked.	Two episodes of feeling of weight on chest while lying on couch, which resolved when he stood up. Lower respiratory infection in 5th month of exposure.	Normal
Rheumatologic	Osteoarthritis	No change	No change
Other	Little road traffic or other noise	“That stuff [turbine noise] doesn’t get out of your head, it gets in there and just sits there - it’s horrible.” He felt pulsation in ears and chest when there was fog in the valley between the turbines and the house and he was outside. Hum heard and felt in double glazed picture window when turbines running. Spent more time at shore at boat, away from house and property, for symptom relief.	Not bothered by “all kinds of traffic” at new location; “after a while you don’t hear it.”

*Exposure period 5 months.

**Interviewed 6 weeks after move.