

Supplementary Online Content

Le Clercq CMP, van Ingen G, Ruytjens L, et al. Prevalence of Hearing Loss Among Children 9 to 11 Years Old: The Generation R Study. *JAMA Otolaryngol Head Neck Surg*. Published online July 27, 2017. doi:10.1001/jamaoto.2017.1068

eFigure 1. Flow chart of the Generation R Study participation

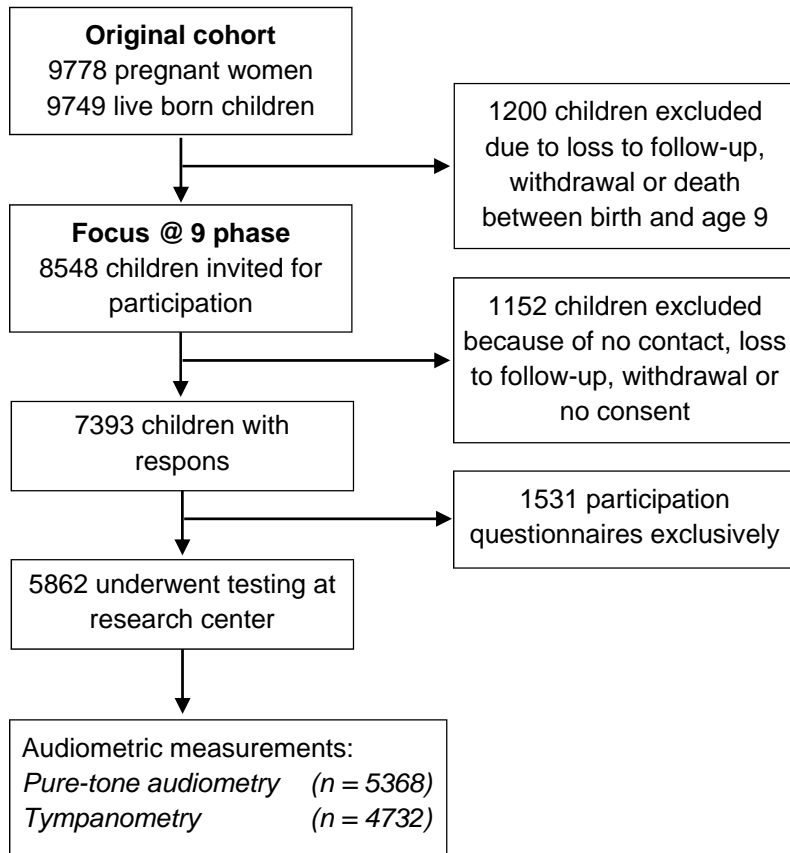
eFigure 2. Flow chart of questionnaire data used to define otitis media phenotypes

eTable 1. Characteristics and comparison of study participants vs. non-participants

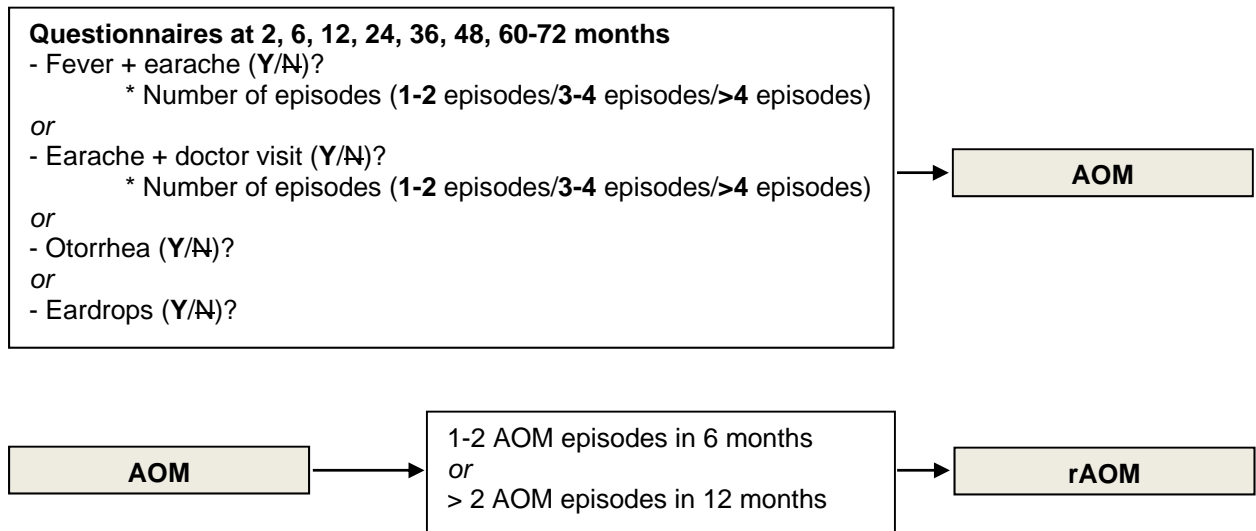
eTable 2. Hearing thresholds for the total study cohort, and for ears with normal and abnormal tympanograms

This supplementary material has been provided by the authors to give readers additional information about their work.

eFigure 1. Flow chart of the Generation R Study participation



eFigure 2. Flow chart of questionnaire data used to define otitis media phenotypes.



eTable 1. Characteristics and comparison of study participants vs. non-participants.

Characteristic		Tested at research center		Difference	95% CI
		Yes, n (%)	No, n (%)	%	
Year of birth	2002	578 (9.9)	374 (9.6)	0.24	-0.97 - 1.44
	2003	1936 (33.0)	1315 (33.8)	-0.80	-2.72 - 1.11
	2004	1700 (29.0)	1174 (30.2)	-1.20	-3.06 - 0.65
	2005	1626 (27.7)	1018 (26.2)	1.55	-0.25 - 3.34
	2006	22 (0.4)	6 (0.2)	0.22	0.02 - 0.42
Sex	Male	2913 (49.7)	2024 (52.1)	2.40	0.37 - 4.42
	Female	2948 (50.3)	1861 (47.9)		
Ethnicity	Caucasian	3898 (68.2)	1777 (52.6)	15.64	13.57 - 17.71
	Non Caucasian	1815 (31.8)	1602 (47.4)		
Maternal education	Higher	2953 (59.3)	586 (46.0)	13.34	10.28 - 16.40
	Not higher	2027 (40.7)	689 (54.0)		

eTable 2. Hearing thresholds for the total study cohort, and for ears with normal and abnormal tympanograms.

Ear	Frequency (Hz)	Hearing Threshold (dB HL) ^a			Absolute difference (dB HL)	95% CI
		Total Cohort	Normal Tympanogram	Abnormal Tympanogram		
<i>Right</i>		<i>N</i> = 5368	<i>n</i> = 3289	<i>n</i> = 1055		
	500	10.04 (7.06)	8.73 (6.14)	13.63 (7.59)	4.90	4.40-5.41
	1000	7.44 (6.58)	6.14 (5.66)	10.82 (7.24)	4.68	4.20-5.16
	2000	6.82 (6.34)	6.40 (5.91)	7.39 (6.78)	0.99	0.56-1.44
	3000	8.09 (6.37)	7.50 (5.99)	9.30 (6.50)	1.80	1.36-2.25
	4000	8.86 (7.34)	7.94 (6.81)	10.93 (7.98)	2.99	2.46-3.53
	6000	7.70 (7.87)	7.04 (8.73)	8.88 (9.22)	1.84	1.21-2.48
	8000	14.72 (9.86)	13.83 (9.17)	16.79 (10.65)	2.96	2.24-3.67
<i>Left</i>		<i>N</i> = 5368	<i>n</i> = 3301	<i>n</i> = 997		
	500	10.00 (7.21)	8.60 (6.18)	14.29 (8.26)	5.69	5.13-6.24
	1000	7.10 (6.78)	5.73 (5.72)	11.10 (7.86)	5.67	4.84-5.89
	2000	6.63 (6.61)	6.19 (6.23)	7.58 (7.47)	1.39	0.88-1.90
	3000	7.82 (6.39)	7.09 (5.83)	9.61 (7.26)	2.52	2.03-3.02
	4000	8.99 (7.36)	7.95 (6.49)	11.76 (8.68)	3.81	3.23-4.40
	6000	8.71 (9.04)	7.98 (8.48)	10.41 (10.19)	2.43	1.73-3.13
	8000	11.47 (10.01)	10.42 (9.27)	13.70 (11.19)	3.29	2.52-4.05

^a Hearing thresholds are presented as mean (SD).