

List of funders

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Questions from the ECRHS postal survey

1. Have you had wheezing or whistling in your chest at any time in the last 12 months?

If NO – Go to question 2

If YES

1a Have you been at all breathless when the wheezing noise was present?

1b Have you had this wheezing or whistling when you did not have a cold?

2. Have you woken up with a feeling of tightness in your chest at any time in the last 12 months?

3. Have you been woken by an attack of shortness of breath at any time in the last 12 months?

4. Have you been woken by an attack of coughing at any time in the last 12 months?

5. Have you had an attack of asthma in the last 12 months?

6. Are you currently taking any medicine (including inhalers, aerosols or tablets) for asthma?

7. Do you have any nasal allergies including hay fever?

TABLE E1. Baseline ECRHS I crude prevalences, unweighted ECRHS I prevalences and changes in prevalence of respiratory symptoms from ECRHS 1 to ECRHS2, from ECRHS 2 to ECRHS3 and ECRHS1 to ECRHS3

	<i>ECRHS I subjects: *</i>		<i>ECRHS I-III subjects : †</i>										
<i>Symptom</i>	<i>Subjects</i>	<i>ECRHS I Crude Prev. (%)</i>	<i>Centres</i>	<i>Subjects</i>	<i>ECRHS I prev. (%)</i>	<i>Net change ECRHS II-I (^)</i>	<i>Net change ECRHS III-II (%)</i>	<i>Net change ECRHS III-I (%)</i>	<i>(95% CI)</i>	<i>P</i>	<i>Het. I²</i>	<i>Het P</i>	
Wheeze	14734	21.5	29	7781	19.6	-1.0	-0.7	-1.7	(-2.8, -0.7)	.00079	0.0	.88	
Wheeze with breathlessness	14699	10.9	29	7683	9.5	-0.1	0.2	0.4	(-0.3, 1.2)	.25	0.0	.78	
Wheeze without a cold	14720	13.4	29	7711	11.7	-0.2	-0.7	-1.2	(-2.0, -0.4)	.0049	0.0	.83	
Woken with chest tightness	14365	14.3	23	6465	12.5	-0.5	-0.8	-1.4	(-3.0, 0.1)	.071	56.0	.00058	
Woken with shortness of breath	14361	6.3	28	7506	5.5	0.2	0.4	0.8	(-0.2, 1.8)	.1	48.8	.0022	
Woken by attack of coughing	14752	28.6	21	6346	27.0	-0.1	0.5	0.1	(-2.0, 2.2)	.93	55.6	.0011	
Asthma attack	14745	3.9	29	7767	3.5	0.7	0.1	0.6	(0.1, 1.1)	.012	0.0	.89	
Current asthma medication	14749	4.0	27	7132	3.5	2.0	1.5	3.4	(2.8, 4.1)	3.2x10 ⁻²⁶	14.2	.26	
Diagnosed asthma	14711	5.5	27	7063	4.8	2.1	1.5	3.4	(2.8, 4.1)	1.6x10 ⁻²⁵	0.0	.82	
Nasal allergies	14279	24.8	27	7067	23.5	2.8	-0.1	2.6	(1.7, 3.6)	1.7x10 ⁻⁷	0.0	.66	

*Crude prevalence in all subjects assessed in ECRHS I

†Unweighted prevalences and their differences in all subjects assessed in ECRHS I to 3

NB all estimates for change during the first ten years of follow-up compatible with estimates published in Chinn et al 2004¹ (which were unadjusted for non-response, and included some centres which did not take part in ECRHS 3).

NB Changes in estimates from ECRHS I to ECRHS III are not the sum of changes ECRHS I to ECRHS II, and ECRHS II to ECRHS III due to the use of inverse variance weighting required by DerSimonian and Laird meta-analysis¹²

Figure E1 (a). ECRHS III - ECRHS I change in prevalence (adjusted for non-response) estimated by generalised estimating equations in each centre for waking with chest tightness (NB no data from SPAIN or Denmark as question not asked at ECRHS II)

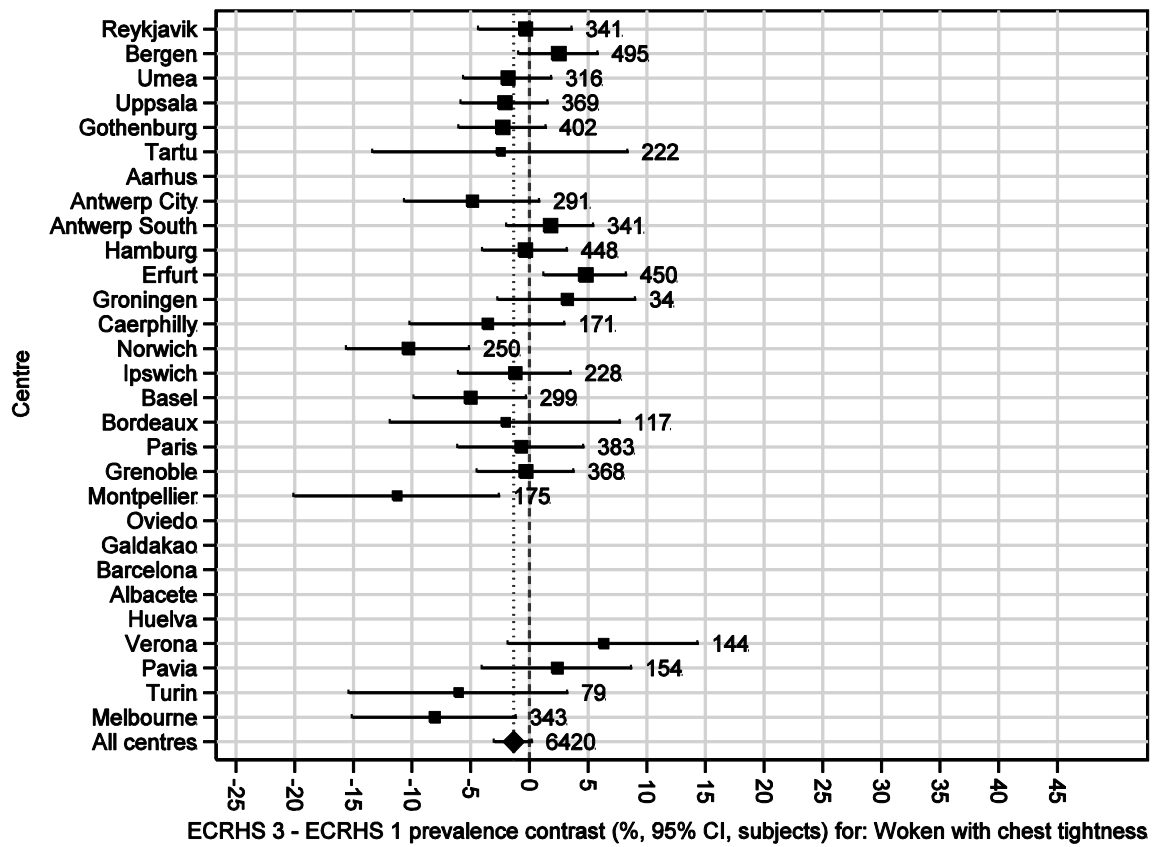


Figure E1(b). ECRHS III - ECRHS I change in prevalence (adjusted for non-response) estimated by generalised estimating equations in each centre for being woken with shortness of breath

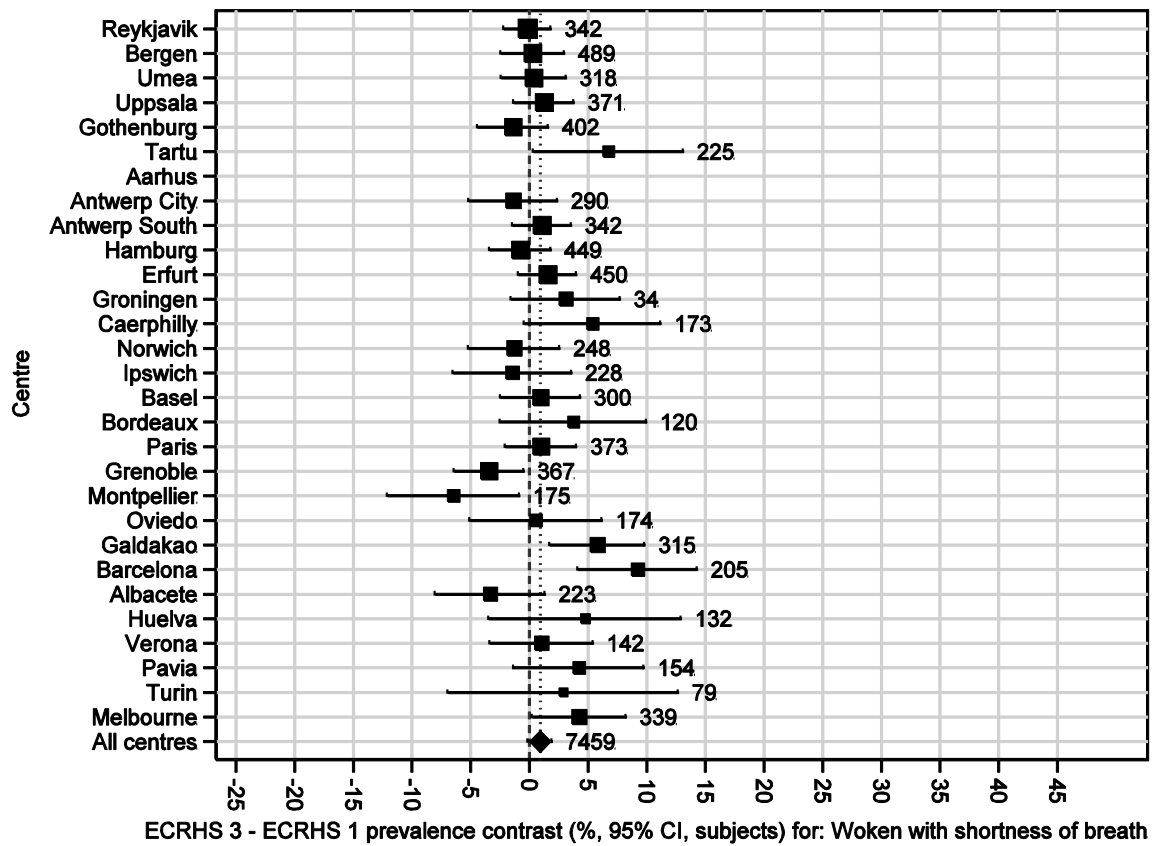


Figure E1(c). ECRHS III - ECRHS I change in prevalence (adjusted for non-response) estimated by generalised estimating equations in each centre for being woken with coughing

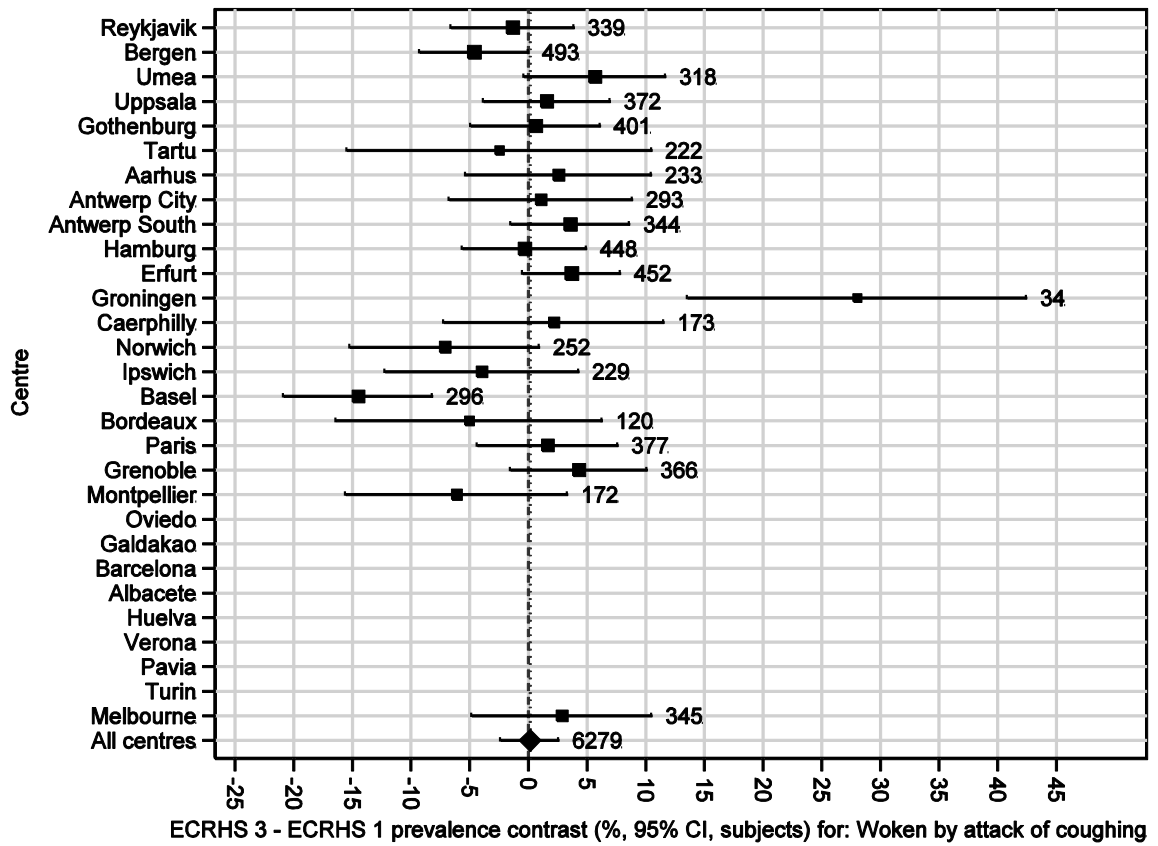


Figure E1(d). ECRHS III - ECRHS I change in prevalence (adjusted for non-response) estimated by generalised estimating equations in each centre for chronic winter cough

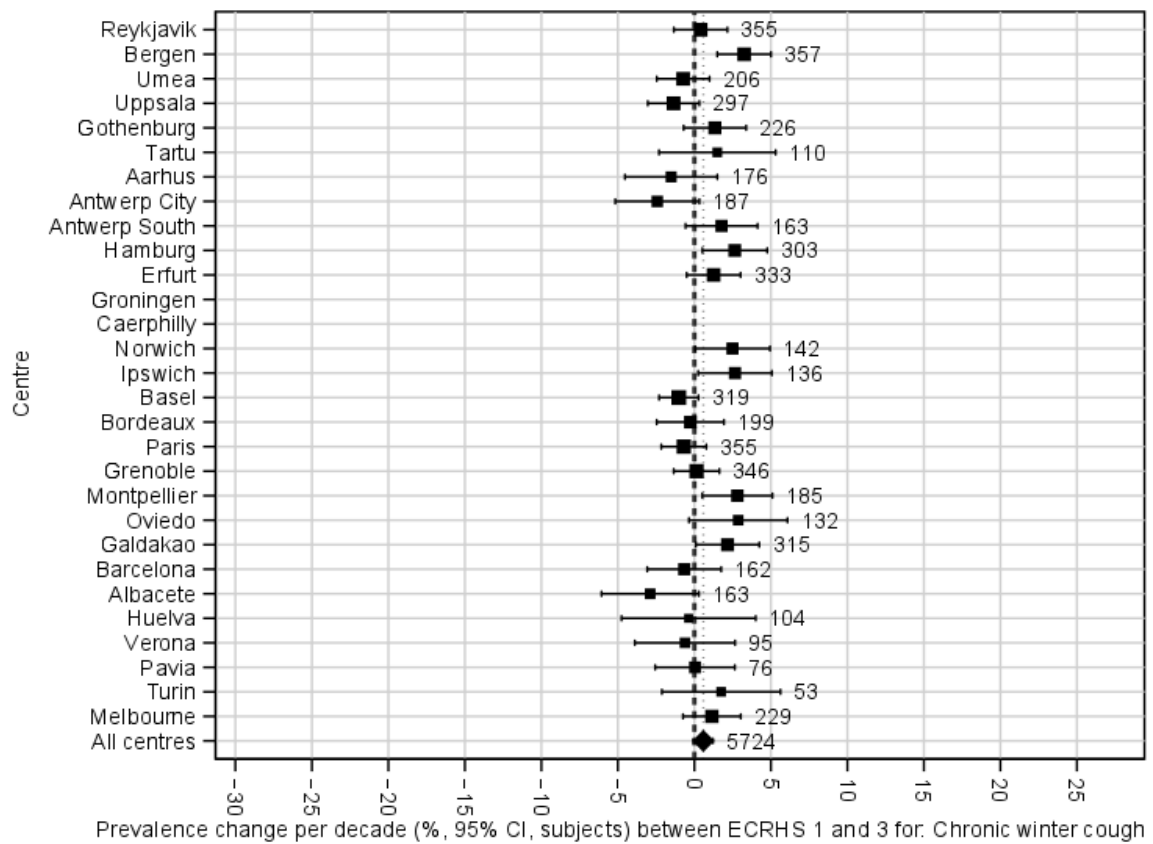


Figure E1(e). ECRHS III - ECRHS I change in prevalence (adjusted for non-response) estimated by generalised estimating equations in each centre for chronic winter phlegm

