

# APPENDIX A: Tables and Figures

Chapter 2, Appendix Table 1: ISAAC world map data, symptoms of asthma.

Country (number of centres)	6-7 Year Age Group				13-14 Year Age Group				
	Current wheeze (%)	Asthma ever (%)	Symptoms of severe wheeze (%)	Symptoms of severe wheeze among current wheezers (%)	Current wheeze (%)	Current wheeze (video) (%)	Asthma ever (%)	Symptoms of severe wheeze (%)	Symptoms of severe wheeze among current wheezers (%)
Albania (1)	5.0	2.6	2.0	38.0	3.4	1.6	3.6	1.1	32.0
Algeria (1)					8.7		7.1	4.3	49.6
Argentina (4)	17.0	6.2	7.2	41.0	12.5	7.7	9.3	5.9	44.0
Australia (1)	20.0	26.0	8.4	40.0	30.6	15.0	37.3	12.1	38.1
Austria (1)	7.4	4.2	2.5	33.0	15.1	8.6	7.0	6.7	44.7
Barbados (1)	20.0	21.0	7.2	37.0	20.8	14.0	24.7	9.8	47.0
Belgium (1)	7.5	6.0	2.9	39.0	8.3		8.5	3.4	39.9
Bolivia (1)					13.5	16.0	12.3	8.0	43.8
Brazil (20)	24.0	10.0	12.0	43.0	18.7	12.0	13.3	8.1	34.1
Bulgaria (1)	5.6	4.3	2.2	35.0	8.2		5.5	4.5	36.1
Cameroon (1)					5.7		6.0	4.3	47.3
Canada (1)	18.0	19.0	6.8	37.0	13.7		16.3	5.0	33.5
Channel Islands (2)					26.5	12.0	26.3	12.2	43.1
Chile (5)	18.0	11.0	6.1	32.0	15.3	15.0	15.1	6.1	32.0
China (4)					3.6	2.0	3.5	1.3	31.1
Colombia (3)	14.0	8.7	4.8	32.0	11.8	10.0	14.2	6.0	39.6
Congo (1)					19.9		9.4	13.4	53.2
Cook Islands (1)					10.6		14.8	5.4	38.3
Costa Rica (1)	38.0	28.0	20.0	49.0	27.3		23.2	16.0	50.5
Côte d'Ivoire (1)					19.3		11.6	12.0	61.9
Croatia (1)	9.7	3.9	2.9	30.0	8.4	4.6	5.2	3.1	35.7
Cuba (1)	32.0	39.0	19.0	61.0	17.8	13.0	30.9	10.3	58.2
Ecuador (2)	17.0	5.0	4.7	28.0	16.6	11.0	10.9	6.3	37.8
Egypt (1)					7.0		5.2	3.9	38.0
El Salvador (1)	19.0	30.0	6.2	28.0	30.8		24.0	10.0	30.3
Estonia (1)	9.6	4.1	2.9	27.0	9.3	2.2	4.8	3.2	30.2
Ethiopia (1)					9.1		2.3	8.2	63.8
Fiji (1)					10.4	16.0	13.6	6.6	63.2
Finland (1)					19.0	3.3	7.7	5.1	25.2
France <sup>1</sup> (5)	8.1	9.3	3.0	37.1	13.5	8.3	12.6	5.7	41.1
Gabon (1)					10.2		11.0	5.9	44.1
Georgia (1)	6.9	3.3	3.3	48.0	5.1		3.3	2.3	44.8
Germany (1)	13.0	4.6	5.2	39.0	17.5	6.8	8.0	9.6	50.8
Greece (1)	7.9	9.8	2.4	28.0					
Honduras (1)	19.0	15.0	9.2	47.0	22.0		18.3	7.6	33.1
Hong Kong (1)	9.4	7.9	3.1	26.0	8.6	6.2	10.1	3.1	33.0
Hungary (2)	6.6	4.9	2.2	32.0	5.8	3.3	7.8	2.6	37.3
India (18)	5.3	4.1	2.8	40.0	5.8	4.7	5.1	3.4	47.8
Indonesia (3)	2.8	4.8	1.1	38.0	5.1	4.5	10.8	2.1	40.5
Iran (4)	9.7	4.0	4.7	38.0	10.8	3.7	3.4	5.9	43.5
Isle of Man (1)	14.0	21.0	6.9	47.0	31.2		28.6	12.4	36.4
Italy (13)	7.4	8.8	2.2	27.0	8.1		11.4	3.3	38.2
Japan (2)	18.0	23.0	3.3	17.0	10.0		14.9	3.4	33.3
Jordan (1)	17.0	10.0	10.0	61.0	12.3	6.8	7.6	7.8	62.6
Kenya (2)					15.8	11.0	14.5	11.3	66.8
Kingdom of Tonga (1)					16.2	11.0	12.5	7.9	48.4
Kuwait (1)					7.6	8.4	14.0	6.8	63.8
Kyrgyzstan (3)	5.8	1.2	4.1	69.0	7.8	2.8	2.5	6.1	72.8
Latvia (1)					10.5	3.1	7.2	3.9	30.4
Lebanon <sup>1</sup> (1)					14.4	4.9	11.6	10.8	58.5
Lithuania (3)	5.4	2.0	1.4	26.0	7.3	6.1	2.5	1.8	24.4

Symptoms of severe wheeze: Respondents with current wheeze who had 4 or more attacks of wheeze in the past year, or had 1 or more nights per week sleep disturbance from wheeze in the past year, or had wheeze affecting speech in the past year.

Country (number of centres)	6-7 Year Age Group				13-14 Year Age Group				
	Current wheeze (%)	Asthma ever (%)	Symptoms of severe wheeze (%)	Symptoms of severe wheeze among current wheezers (%)	Current wheeze (%)	Current wheeze (video) (%)	Asthma ever (%)	Symptoms of severe wheeze (%)	Symptoms of severe wheeze among current wheezers (%)
Malaysia (3)	5.8	11.0	1.7	25.0	8.9	4.9	12.0	3.3	32.2
Malta (1)	15.0	15.0	4.2	25.0	14.6		14.1	5.4	33.6
Mexico (10)	8.0	5.9	3.3	38.0	8.7	7.2	6.9	4.3	41.8
Morocco (4)					9.0	10.0	13.3	4.9	52.4
Netherlands (1)					12.2		13.0	5.3	43.0
New Zealand (5)	22.0	30.0	9.8	44.0	26.7	11.0	32.4	10.9	38.7
Nicaragua (1)	17.0	17.0	10.0	55.0	13.8		15.2	8.9	55.8
Nigeria (1)	5.6	3.3	6.7	57.0	13.0	10.0	11.7	11.9	64.2
Niue (1)	17.0	28.0	4.3	25.0	12.7		30.4	1.3	10.0
Nouvelle Calédonie (1)					8.2	6.9	12.5	3.6	43.9
Pakistan (2)	6.4	4.8	3.5	44.0	10.7	6.0	6.6	6.6	53.4
Palestine (2)	9.5	8.2	5.2	51.0	8.6		6.0	4.1	46.6
Panamá (1)	23.0	20.0	9.7	36.0	22.9		20.5	9.4	35.1
Paraguay (1)					20.9	11.0	12.8	10.8	51.8
Peru (1)					19.6	16.0	33.1	8.8	37.9
Philippines (1)					8.4	13.0	20.9	3.7	44.3
Poland (2)	14.0	5.8	6.0	43.0	10.2		6.1	5.3	41.3
Polynésie Française (1)					11.3		15.9	4.6	39.7
Portugal (5)	12.0	9.6	5.7	46.0	11.8	7.3	14.7	4.9	40.6
Rép de Guinée (1)					18.6		10.3	9.6	49.8
Rép Dém Congo (1)					7.5		10.2	3.3	41.6
Rep Ireland (1)					26.7		21.5	9.5	33.3
Rep Macedonia (1)					8.8		1.7	2.5	28.6
Reunion Island (1)					21.5		19.1	7.5	35.1
Romania (1)					22.7		8.9	9.0	39.9
Russia (1)	11.0	2.5	3.2	28.0	11.2		3.9	3.3	29.8
Samoa (1)					5.8	5.1	14.1	4.6	63.6
Serbia and Montenegro (5)	11.0	6.3	2.7	23.0	9.5	3.3	5.6	2.7	27.9
Singapore (1)	10.0	16.0	2.6	25.0	11.4	11.0	26.5	4.7	37.2
South Africa (2)	13.0	3.5	11.0	51.0	19.2	11.0	10.7	13.2	45.8
South Korea (2)	5.8	9.3	2.3	34.0	8.7	5.6	5.4	4.9	53.5
Spain (11)	10.0	11.0	3.6	33.0	10.6	7.3	13.9	4.7	40.8
Sri Lanka (1)	28.0	11.0	13.0	47.0	23.0	8.8	11.7	11.9	49.8
Sudan (1)					12.5		15.5	9.5	58.2
Sultanate of Oman (1)	8.4	11.0	5.1	60.0	8.4	8.1	19.9	5.3	62.3
Sweden (1)	10.0	9.3	4.2	39.0	9.7	3.7	12.0	3.4	31.7
Syrian Arab Republic (3)	5.2	4.2	2.9	45.0	5.2	5.1	5.1	3.6	41.9
Taiwan (2)	8.9	14.0	2.3	23.0	6.2	6.1	15.4	2.3	31.8
Thailand (6)	11.0	9.8	4.8	36.0	10.3	6.0	12.0	5.9	49.1
Togo (1)					16.8		10.1	9.9	41.7
Tokelau (1)					19.7	7.6	34.8	13.6	69.2
Trinidad and Tobago (2)					13.2	8.9	13.0	9.2	51.4
Tunisia (2)					14.3		9.3	9.2	45.5
Ukraine (2)	10.0	4.4	3.2	22.0	14.5		4.5	4.1	22.5
United Kingdom (6)	21.0	27.0	11.0	50.0	24.7	10.0	25.1	10.5	40.1
Uruguay (2)	23.0	9.8	9.0	40.0	16.4	10.0	17.0	8.1	48.9
USA (3)					22.1	13.0	17.4	11.5	48.8
Uzbekistan <sup>1</sup> (2)					9.2	1.3	1.7	2.5	25.5
Venezuela (1)	20.0	29.0	12.0	55.0	15.4		29.7	9.7	51.6
Vietnam (1)	18.0	4.5	4.8	27.0	29.5	3.6	5.0	9.3	31.6
<b>Global Totals</b>	<b>11.5</b>	<b>9.4</b>	<b>4.9</b>	<b>38.5</b>	<b>14.1</b>	<b>8.6</b>	<b>12.6</b>	<b>6.8</b>	<b>43.2</b>

<sup>1</sup> Phase One data

Sources: ISAAC Steering Committee. European Respiratory Journal 1998; Lai et al. Thorax 2009.