

Appendix 4: Sample size calculation (using 5% precision with 95% confidence interval) for the population survey on region and individual country levels.

	Study sample	Population size*	Expected prevalence				
			<i>Any medication use=80%</i>	<i>Any medication use=70%</i>	<i>OTC medication use=60%</i>	<i>Chronic medication use=30%</i>	<i>Chronic medication use=15%</i>
<i>Required sample size</i>							
Western Europe	3,201	Not known	246	323	369	323	196
United Kingdom	1,120	120,528	245	322	368	322	196
Italy	926	91,101	245	322	367	322	195
Switzerland	618	13,468	241	315	359	315	193
France	374	137,377	245	322	368	322	196
Austria [†]	82	13,018	241	315	359	315	193
The Netherlands [†]	81	30,010	244	319	364	319	195
Northern Europe	2,820	Not known	246	323	369	323	196
Norway	1,228	10,037	240	313	356	313	192
Sweden	887	18,628	243	317	362	317	194
Finland	574	9,994	240	313	356	313	192
Iceland [†]	71	749	185	225	247	225	155
Eastern Europe	2,342	Not known	246	323	369	323	196
Russia	1,008	299,438	246	322	368	322	196
Poland	679	64,736	245	321	367	321	195
Croatia [§]	286	6,866	237	308	350	308	190
Serbia [¶]	220	10,933	240	313	357	313	192
Slovenia ^{**}	149	3,658	230	297	335	297	186
North America	533	Not known	246	323	369	323	196
USA [§]	297	666,564	246	323	369	323	196
Canada ^{††}	236	62,939	245	321	367	321	195
South America^{¶¶}	346	Not known	246	323	369	323	196
Australia^{§§}	217	50,270	245	321	366	321	195

Sample size calculations were performed in Epi Info TM 7 available at: Center for DiseaseControl and Prevention (CDC), Epi Info. URL: <http://wwwn.cdc.gov/epiinfo/>. Accessed 2013 Dec 31.

*The population size indicates the number of live births in the country in two months (corresponds to the period of data collection) (cf. Appendix 3 for annual estimates of live births in each country). For the all regions except Australia, the population size is very large but not known exactly (i.e. infinite population). Infinite population size is therefore assumed in the calculation of the required sample size.

†The sample size allows for prevalence estimates with a precision of 9% (expected prevalence=80%), 10% (expected prevalence=70% and 30%), 11% (expected prevalence=60%) and 8% (expected prevalence=15%).

§The sample size allows for prevalence estimates with a precision of 6% (expected prevalence=70%, 60% and 30%).

¶The sample size allows for prevalence estimates with a precision of 6% (expected prevalence=80%) and 7% (expected prevalence=70%, 60% and 30%).

**The sample size allows for prevalence estimates with a precision of 7% (expected prevalence=80%), 8% (expected prevalence=70%, 60% and 30%) and 6% (expected prevalence=15%).

††The sample size allows for prevalence estimates with a precision of 6% (expected prevalence=80%, 70% and 30%) and 7% (expected prevalence=60%).

¶¶The sample size allows for prevalence estimates with a precision of 6% (expected prevalence=60%).

§§The sample size allows for prevalence estimates with a precision of 6% (expected prevalence=80%) and 7% (expected prevalence=70%, 60% and 30%).