

Expansion Factors for the 1991 Data

The 1991 survey sample was designed based on population estimates for that year calculated from the most recent census data available at the time - 1981. Initial expansion factors (column 1, Table 1) expand the survey sample population to represent the distribution of the 1991 population as projected from the 1981 census. The 1993 census data allow these projections to be refined and the 1991 expansion factors to be revised accordingly (column 2, Table 1).

These revised expansion factors may be used for 'stand alone' work with the 1991 survey. A second set of revised figures have been developed for use in comparing the 1991 and 1994 survey results (column 3, Table 1) The 1991 LSMS was conducted in a time of terrorism in Peru, omitting unstable areas within some regions (Ayacucho and Huancavelica from the Central Sierra; Apurimac from the South Sierra), and excluding other regions in full (the Central Coast and all of the Selva). The second set of expansion factors can be used to expand the areas surveyed in 1991 to represent the entire regional population in that year. Use of these factors requires the assumption that the characteristics of the surveyed areas are representative of those excluded; on the other hand, using the first set of revised factors (that expand only to the population of the surveyed areas) will under-estimate regional populations in 1991 relative to 1994.

Table 1: 1991 Expansion Factors by Region, Initial and Revised

Region	Initial	Revised	
		<u>Surveyed Areas^a</u>	<u>Entire Region^b</u>
<u>Rural</u>			
North Sierra	1497.57	1635.4	1635.4
Central Sierra	854.75	879.7	1310.5
South Sierra	1265.74	1400.1	1679.9
<u>Urban</u>			
North Sierra	1002.93	1263.7	1263.7
Central Sierra	1175.05	1036	1318.7
South Sierra	1376.2	1273.2	1380.4
North Coast	1627.93	1550.5	2079.2
South Coast	1103.69	1071.4	2079.2
Metropolitan Lima	1521.55	1425.4	1425.4

^a Refers only to those areas surveyed. This excludes Ayacucho, Huancavelica from the Central Sierra; Apurimac from the South Sierra; and the entire Selva and Central Coast.

^b Refers to all areas in each region.