

Table S1. Details about the sample, design, questionnaires about physical activity and sitting time as well as education categories.

Survey	Design	Sample	Questionnaire	Domains	Modifications or specifications	Education categories
<i>Argentina</i>						
2005 “Encuesta Nacional de Factores de Riesgo”	Stratified four-stage cluster design Setting: urban	34,523 (474 missings from the original sample)	IPAQ-short version	Total physical activity and sitting time	None	1. No education/primary incomplete 2. Primary complete 3. Secondary incomplete 4. Secondary complete 5. Higher/special education
2009 “Encuesta Nacional de Factores de Riesgo”	Stratified four-stage cluster design Setting: urban	28,763 (218 missings from the original sample)	IPAQ-short version	Leisure-time, transport, occupational, total and sitting time	Complementary questions about the practice of physical activity in each domain (yes or not) were included.	1. No education/primary incomplete 2. Primary complete 3. Secondary incomplete 4. Secondary complete 5. Higher/special education
2013 “Encuesta Nacional de Factores de Riesgo”	Stratified four-stage cluster design Setting: urban	30,525 (1,840 missings from the original sample)	IPAQ-short version	Leisure-time, transport, occupational, total and sitting time	Complementary questions about the practice of physical activity in each domain (yes or not) were included.	1. No education/primary incomplete 2. Primary complete 3. Secondary incomplete 4. Secondary complete 5. Higher/special education
2018 “Encuesta Nacional de Factores de Riesgo”	Stratified four-stage cluster design Setting: urban	22,530 (985 missings from the original sample)	IPAQ-short version	Leisure-time, transport, occupational, total and sitting time	Complementary questions about the practice of physical activity in each domain (yes or not) were included.	1. No education/primary incomplete 2. Primary complete 3. Secondary incomplete 4. Secondary complete 5. Higher/special education
<i>Bolivia</i>						
2008 “Encuesta Nacional de Demografía y Salud”	Stratified two-stage cluster design	18,997 (1,098 missings from the original sample)	Question about leisure-time physical activity and sitting time	Leisure-time and sitting time	N/A	1. No education, incomplete primary 2. Complete primary

	Setting: urban and rural					3. Incomplete secondary 4. Complete secondary or technical education 5. Higher than secondary
2016 “Encuesta Nacional de Demografía y Salud”	Stratified two- stage cluster design Setting: urban and rural	13,768 (902 missings from the original sample)	Question about leisure- time physical activity and sitting time	Leisure- time and sitting time	N/A	1. No education, incomplete primary 2. Complete primary 3. Incomplete secondary 4. Complete secondary or technical education 5. Higher than secondary
<i>Brazil</i>						
2008 “Pesquisa Nacional por Amostra de Domicílios”	Stratified three- stage cluster design Setting: urban and rural	145,271 (2,146 missings from the original sample)	VIGITEL questionnaire	Leisure- time	Did not include the questions about transport and occupational domains	1. No education 2. Primary incomplete 3. Primary complete and secondary incomplete 4. Secondary complete and higher incomplete 5. Higher education complete
2013 “Pesquisa Nacional de Saúde”	Stratified three- stage cluster design Setting: urban and rural	51,869	VIGITEL questionnaire	Leisure- time, transport, occupational and total	None	1. No education 2. Primary incomplete 3. Primary complete and secondary incomplete 4. Secondary complete and higher incomplete 5. Higher education complete
2015 “Pesquisa Nacional por Amostra de Domicílios”	Stratified three- stage cluster design Setting: urban and rural	56,405 (2,258 missings from the original sample)	VIGITEL questionnaire	Leisure- time	Did not include the questions about transport and occupational domains	1. No education 2. Primary incomplete 3. Primary complete and secondary incomplete 4. Secondary complete and

						higher incomplete 5. Higher education complete
2019 "Pesquisa Nacional de Saúde"	Stratified three-stage cluster design Setting: urban and rural	71,344 (2,854 missings from the original sample)	VIGITEL questionnaire	Leisure-time, transport, occupational and total	None	1. No education 2. Primary incomplete 3. Primary complete and secondary incomplete 4. Secondary complete and higher incomplete 5. Higher education complete
<i>Chile</i>						
2009/10 "Encuesta Nacional de Salud"	Stratified and multi-stage cluster design Setting: urban and rural	3,993 (63 missings from the original sample)	GPAQ	Leisure-time, transport, occupational, total and sitting time	None	Education quintiles created using the number of years of education
2016/17 "Encuesta Nacional de Salud"	Stratified and multi-stage cluster design Setting: urban and rural	4,249 (38 missings from the original sample)	GPAQ	Leisure-time, transport, occupational, total and sitting time	None	Education quintiles created using the number of years of education
<i>Colombia</i>						
2005 "Encuesta Nacional de la Situación Nutricional"	Three-stage cluster design Setting: urban and rural	12,606 (1,995 missings from the original sample)	IPAQ	Leisure-time, transport, and occupational		Education quintiles created using the number of years of education
2010 "Encuesta Nacional de la Situación Nutricional"	Three-stage cluster design Setting: urban and rural	14,208 (209 missings from the original sample)	IPAQ	Leisure-time and transport	Did not include questions about occupational physical activity	1. No education 2. Incomplete or complete primary 3. Complete secondary 4. Technical education 5. College or higher

2015 "Encuesta Nacional de la Situación Nutricional"	Three-stage cluster design Setting: urban and rural	17,788 (155 missings from the original sample)	IPAQ	Leisure-time and transport	Did not include questions about occupational physical activity	Education quintiles created using the number of years of education
<i>Ecuador</i>						
2011/12 "Encuesta Nacional de Salud y Nutrición"	Three-stage cluster design Setting: urban and rural	19,833* *with merged data on physical activity and sociodemographic indicators	IPAQ	Leisure-time and transport	Did not include questions about occupational physical activity	Education quintiles created using the number of years of education
2018 "Encuesta STEPS Ecuador"	Three-stage cluster design Setting: urban and rural	4,341 (297 missings from the original sample)	GPAQ	Leisure-time and transport	Included occupational physical activity, but it was not used in the analyzes as occupational physical activity was not included in the 2011/12 survey	Education quintiles created using the number of years of education
<i>Peru</i>						
2007/08 "Encuesta Nacional de Hogares, Módulo de Mediciones Antropométricas"	Three-stage cluster design Setting: urban and rural	11,511 (2,834 missings from the original sample)* *considering the 14,345 with merged data on physical activity and sociodemographic factors	Question about leisure-time physical activity	Leisure-time physical activity	None	1. No education or incomplete primary 2. Complete primary or incomplete secondary 3. Complete secondary 4. Incomplete college or technical 5. College or higher
2009/10 "Encuesta Nacional de Hogares, Módulo de Mediciones Antropométricas"	Three-stage cluster design Setting: urban and rural	20,164 (860 missings from the original sample) *considering the 21,024 with merged data on physical activity and sociodemographic factors	IPAQ	Leisure-time, transport, occupational, total and sitting time	None	1. No education or incomplete primary 2. Complete primary or incomplete secondary 3. Complete secondary 4. Incomplete college or technical 5. College or higher

2011 "Encuesta Nacional de Hogares, Módulo de Mediciones Antropométricas"	Three-stage cluster design Setting: urban and rural	9,013 (15 missings from the original sample) *considering the 9,028 with merged data on physical activity and sociodemographic factors	IPAQ	Leisure-time, transport, occupational, total and sitting time	None	1. No education or incomplete primary 2. Complete primary or incomplete secondary 3. Complete secondary 4. Incomplete college or technical 5. College or higher
<i>Uruguay</i>						
2006 "Encuesta Nacional de Factores de Riesgo de Enfermedades Crónicas No Transmisibles"	Three-stage cluster design Setting: urban	1,954 (4 missings from the original sample)	GPAQ	Leisure-time, transport, occupational, total and sitting time	None	1. No education or incomplete primary 2. Complete primary or incomplete secondary 3. Complete secondary 4. Technical 5. College or higher
2013 "Encuesta Nacional de Factores de Riesgo de Enfermedades Crónicas No Transmisibles"	Three-stage cluster design Setting: urban	2,458 (174 missings from the original sample)	GPAQ	Leisure-time, transport, occupational, total and sitting time	None	1. No education or incomplete primary 2. Complete primary or incomplete secondary 3. Complete secondary 4. Technical 5. College or higher
<i>Venezuela*</i>						
2014/17 "Estudio Venezolano de Salud Cardio-Metabólica"	Four-stage cluster design Setting: urban and rural	879 (83 missings from the original sample)	IPAQ-short version	Total physical activity and sitting time	None	1. No education, incomplete primary or complete primary 2. Incomplete secondary 3. Complete secondary 4. Technical or incomplete college. 5. College or higher
2018/20 "Estudio Venezolano de Salud Cardio-Metabólica"	Four-stage cluster design	796 (68 missings from the original sample)	IPAQ-short version	Total physical activity and sitting time	None	1. No education, incomplete primary or complete primary

	Setting: urban and rural					2. Incomplete secondary 3. Complete secondary 4. Technical or incomplete college. 5. College or higher
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Note. *The *Estudio Venezoelano de Salud Cardio-Metabólica* is a longitudinal study.