#### The Evolution of Adult Height in Europe: A Brief Note<sup>\*</sup>

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### Abstract

This paper presents new evidence on the evolution of adult height in 10 European countries for cohorts born between 1950 and 1980 using the European Community Household Panel (ECHP), which collects height data from Austria, Belgium, Denmark, Finland, Greece, Ireland, Italy, Portugal, Spain and Sweden. Our findings show a gradual increase in adult height across all countries. However, countries from Southern Europe (Greece, Italy, Portugal, and Spain) experienced greater gains in stature than those located in Northern Europe (Austria, Belgium, Denmark, Finland, Ireland, and Sweden).

**JEL Codes:** I31, J11

Keywords: Europe, height, ECHP.

#### 1. Introduction

Trying to measure wellbeing in a society using only one measure is a challenging task, if not an impossible one. Usually, economists consider Gross Domestic Product (GDP) per capita or Gross National Product (GNP) per capita as conventional measures of living standards. Consumption per capita is also used. However, the use of these indicators is not without its shortcomings. One basic concern is about how to measure these variables. For instance, what goods should be included in GDP (GNP) is controversial. Another relevant issue, in particular for welfare analysis, is about the comparability of such measures across countries or individuals: both GDP and consumption need to be adjusted using PPP and equivalence scales. Other kinds of adjustments are even more complicated. This is the case of food consumption, which must be adjusted to account for individual nutritional needs.

Stature is a measure that can help us to circumvent these caveats, but even more important, stature is interesting in its own right: it is a useful summary measure of biological wellbeing, as emphasized by Komlos and Baur (2004). First, stature is a measure that incorporates or adjusts for individual nutritional needs (Steckel, 1995). Second, it also meets satisfactorily the criteria set forth by Morris (1979) for an international standard of physical quality of life. Third, stature is a welfare measure that satisfies the approach to the standard of living suggested by Sen (1987): functionings and capabilities should be balanced. Fourth, it generally correlates positively with many health outcomes throughout the life course, and in particular, it correlates negatively with mortality (Waaler, 1984; Barker et al. 1990). Hence, physical stature can be used as a proxy for health, which as any inherently multidimensional concept is difficult to measure. Fifth, height also has been found to be positively associated with earnings, perhaps because height is a marker for cognitive development (Case and

Paxson, 2006). Finally, measuring stature is easier than measuring income, consumption, health status, etc., at least in principle and particular at the regional level by gender, or for social groups. Nevertheless, we should bear in mind that there are measurement error issues depending on whether height is self-reported or directly measured. In spite of its shortcomings, stature complements the standard wellbeing indicators used in economics.

In this note we aim to describe briefly the evolution of adult height in several European countries for the cohorts born between 1950 and 1980. The reported data in the appendix of this paper offers several possibilities for future research by making the mean heights available in a conventionally accessible form. This information is likely to be very useful for social researchers interested in studying socioeconomic and country specific determinants of human stature.

The paper is organized as follows. Section 2 offers a description of the source of the data used to construct average heights. Section 3 shows the evolution of human stature in different European countries for the cohorts of men and women born between 1950 and 1980. Finally, section 4 concludes.

#### 2. Data

The data used in this paper come from the European Community Household Panel (ECHP), Eurostat, a survey based on a standardized questionnaire that involves annual interviewing of a representative panel of households and individuals in member states of the European Union during the period 1994-2001. The ECHP covers a wide range of topics on living conditions, and its standardized methodology and procedures yield comparable information across countries<sup>1</sup>. The ECHP contains data on self-reported height for 10 countries: Austria, Belgium, Denmark, Finland, Greece, Ireland, Italy, Portugal, Spain and

Sweden. Other available information is year of birth, sex, year of interview, and migration trajectory.

It is a well known fact that self-reported height is subject not only to random error, but more importantly, systematic reporting bias (Boström and Diderichsen, 1997). The bias depends on several factors: age, sex, education, and mode of interview. Without having another source on measured height, it is not obvious how we should proceed to deal with such an issue. Empirical evidence in Thomas and Frankenberg (2002) and in Ezzati et al. (2006) shows that for the US, men over-report their height more than women of the same age and the bias tends to increase with age for older people (above 60 years old), although the bias for both men and women is more or less constant for the age group between 20 and 50.

Since adult height can be achieved above 18 years old we consider that final height is achieved at 21 to be on the safe side. Also, because of both mortality-related selection and shrinking of the elderly, we are going to focus on individuals below age  $51^2$ . Moreover, computing heights for this demographic group helps us to deal with the age-bias in self-reported height, if the evidence for the US in Thomas and Frankenberg (2002) and Ezzati et al. (2006) also holds for the European countries under analysis.

For the reasons mentioned above, and given that the collection of the self-reported height data spans from 1997 to 2002, we restrict our sample to those individuals between age 21 and 51 who where born 1950 and 1980. Furthermore, we only include individuals born in the country of present residence during the interview, who did not live abroad before. This last information is not available for Sweden, so we were forced to include all individuals in that case. Also for Sweden, the last interview corresponds to 2000, what means that average

height is not available for the cohort of 1980 because we only have information about height for those who are 20 years old.

We compute average height for each country by cohort and sex. Average cohort height was computed using the available weights in the ECHP. We use the cross-sectional weight in all countries but Sweden, where the baseline weight must be used when using individual information. Information on the reliability of such averages can be better understood when considering the number of observations by each country-cohort-sex cell. Tables 1A and 2A in the appendix present such information. Notice also that the effective sample sizes are substantially smaller because of the panel structure, with most individuals appearing three or four times.

#### 3. The Evolution of Height in Europe

Annual average heights are computed at the country-cohort-sex level (Tables 3A and 4A in the appendix; standard deviations of heights are also reported in Tables 5A and 6A) and quinquennial averages are reported in Tables 1 and 2.<sup>3</sup> Three main features of these data stand out. First, we find that heights in all countries increased during this period. Second, the average stature in the Northern European countries is higher than in the Southern ones for all the cohorts and for both males and females. Third, the intensity of such a growth is heterogeneous: Northern versus Southern differences are visible. For instance, looking at Table 1, we see that Finnish men born in the first half of the 50's were 177.8 cm tall, while those born in the late 70's achieved 178.7 cm. The less than 1 cm increase by Finnish males contrasts sharply with the growth experienced by Spanish males: from 171.3 cm to 176.1 cm, almost 5 cm. In Table 2, we note that there are also huge differences between the growth

experienced by Italian and Spanish women, more than 5 cm, in comparison to that of Danish women, only 1.4 cm.

#### [Insert Table 1 about here]

#### [Insert Table 2 about here]

This pattern of higher growth rates for both males and females in the Southern European countries becomes more evident when considering Table 3, where annual growth rates between the 1950-55 and the 1976-80 cohorts are reported (0.10% for Southern countries, 0.05% for Northern countries, and the total mean growth is 0.07%). Also we can point out that height growth rates are almost equal for males and females according to this geographical classification. There does not seem to be a clear pattern in terms of gender across countries. Some countries have experienced higher absolute gains for women (Belgium, Finland, Italy, Spain and Sweden) whereas some others have experienced greater gains for men (Austria, Denmark, Greece, Ireland and Portugal).

#### [Insert Table 3 about here]

Considering the evolution of heights separately for the Northern and Southern European countries (Figures 1 - 4) some generalizations are evident. First, for the Northern countries, the cohorts of Danish males are always the tallest: 180.3 cm at the beginning and 183.7 cm at the end of the period. Second, the reverse situation is shown by the Irish males, who are the shortest in the Northern Europe sample during the whole period, 174.9 cm for those born in 1950-1955 and 177.4 cm in 1976-1980. Similar qualitative results are found for females.

From the evidence in Figure 3 and Figure 4 we can conclude for the Southern European countries that Greeks are the tallest for both males and females and Portuguese are the shortest ones in both cases. Both countries show a similar evolution profile in the period

under consideration. At contrast, Spanish males and females for the last cohorts are growing more significantly than those in the other Southern European countries.

#### [Insert Figure 1, Figure 2, Figure 3 and Figure 4 about here]

#### 4. Discussion

This paper has offered a brief description of the evolution of human stature for the cohorts born between 1950 and 1980 in several European countries. Our descriptive analysis shows two main results: first, heights increased throughout the period in all countries; second, the pattern of growth in stature was heterogeneous, with Southern European countries growing more than their Northern counterparts. However, there does not seem to be any convergence in height among Northern or Southern European countries considered separately. The data reported in the appendix, permits more detailed analysis of socioeconomic and country specific determinants of average height.

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## **TABLES AND FIGURES**

	1950-55	1956-60	1961-65	1966-70	1971-75	1976-80
Denmark	180.3	179.7	181.0	181.7	181.3	183.7
Sweden	179.6	179.4	180.9	180.5	180.4	181.2
Austria	176.3	177.0	179.2	178.5	178.7	179.6
Belgium	176.2	177.3	177.2	179.4	179.2	179.5
Finland	177.8	179.0	179.6	177.9	178.0	178.7
Greece	174.7	175.4	176.6	177.0	178.4	178.6
Ireland	174.9	176.3	176.1	176.9	177.0	177.4
Italy	172.5	174.3	174.9	174.7	175.4	177.1
Spain	171.3	171.7	173.3	174.7	175.7	176.1
Portugal	168.8	170.0	170.0	169.8	172.1	172.9

## Table 1. Average heights by year of birth, men, centimeters

Source: Authors' calculations from the European Community Household Panel. Note: The average for Sweden corresponding to 1976-80 is calculated over the cohorts born between 1976 and 1979 because of data availability problems mentioned in the introduction.

	1050 55					
	1950-55	1956-60	1961-65	1966-70	19/1-75	1976-80
Denmark	167.2	166.6	167.5	168.5	168.1	168.6
Belgium	163.4	164.9	165.0	166.4	166.2	167.8
Sweden	165.4	166.4	166.7	166.9	166.7	167.2
Austria	165.6	166.2	166.7	166.3	167.7	167.1
Italy	161.4	162.3	163.0	163.9	164.4	166.5
Finland	164.3	164.9	165.5	165.5	165.2	165.9
Greece	163.3	164.1	164.8	165.5	166.4	165.9
Spain	160.4	161.0	161.3	162.8	164.4	165.5
Ireland	162.7	162.7	163.2	164.1	164.7	164.4
Portugal	158.9	159.3	160.5	160.8	162.5	162.5

## Table 2. Average heights by year of birth, women, centimeters

Source and note: See Table 1.

	Men	Women
Austria	0.07	0.04
Belgium	0.07	0.11
Denmark	0.07	0.03
Finland	0.02	0.04
Greece	0.09	0.06
Ireland	0.06	0.04
Italy	0.10	0.12
Portugal	0.10	0.09
Spain	0.11	0.12
Sweden	0.03	0.04

Table 3. Annual growth rates in average cohort heights, %

Source: See Table 1.

Note: The annual growth rate has been computed as the annual rate of variation  $\frac{(\overline{h}_{1976-1980} - \overline{h}_{1950-1955})/\overline{h}_{1950-1955}}{25.5} \times 100$ , where  $\overline{h}_{1976-1980}$  and

25.5  $\overline{h}_{1950-1955}$  are the means of the average height of the cohorts born between 1976-1980, and 1950-1955, respectively. 25.5 is the number of years between the middle points of the cohort intervals. For Sweden this number is replaced by 26 because of data availability problems mentioned

in the introduction.

### **Evolution of Height**



## Figure 1: Northern European countries, men



## Figure 2: Northern European countries, women

Figure 3: Southern European countries, men





1961-65

Year of birth

1966-70

- Denmark — Finland — Sweden

1971-75

1976-80

Ireland

1956-60

Belgium



164

163

162 ·

A - Austria

1950-55

## APPENDIX

	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Austria	119	199	173	168	187	177	180	228	231	190	175	197	222	220	166	193
Belgium	131	140	146	122	163	144	158	180	179	258	260	217	164	219	175	172
Denmark	124	177	104	141	97	150	148	145	185	146	147	123	195	148	152	170
Finland	189	146	173	157	182	133	194	147	141	167	166	154	166	156	163	145
Greece	222	313	243	260	286	284	267	277	304	326	257	299	230	297	262	272
Ireland	176	102	171	143	170	151	177	160	177	158	134	145	153	159	127	174
Italy	435	431	434	426	464	510	409	394	453	532	527	485	523	473	604	597
Portugal	259	315	298	294	311	307	330	298	325	265	299	307	326	365	295	305
Spain	263	345	293	315	345	334	346	362	354	364	412	421	388	352	405	400
Sweden	136	140	147	135	125	150	135	145	153	115	147	155	134	153	174	169
	1966	1967	1968	1969	1970	1971	1072	1072	107/	1975	1976	1077	1079	1070	1090	
					1//0	1//1	17/4	19/3	17/4	1715	1//0	17/1	19/0	1717	1900	
Austria	178	228	203	214	168	208	1972	1973	202	191	236	211	156	105	53	
Austria Belgium	178 125	228 92	203 139	214 142	168 142	208 147	1972 195 169	1973 190 93	202 112	1970 191 86	236 105	211 132	1978 156 71	105 67	53 B	
Austria Belgium Denmark	178 125 183	228 92 99	203 139 150	214 142 137	168 142 120	208 147 164	1972 195 169 179	1973 190 93 119	202 112 106	191 86 213	236 105 107	211 132 84	1578 156 71 81	105 67 54	53 B A	
Austria Belgium Denmark Finland	178 125 183 138	228 92 99 143	203 139 150 137	214 142 137 141	168 142 120 108	208 147 164 102	1972 195 169 179 154	1973 190 93 119 119	202 112 106 136	191 86 213 130	236 105 107 164	211 132 84 189	156 71 81 180	105 67 54 104	53 B A 69	
Austria Belgium Denmark Finland Greece	178 125 183 138 303	228 92 99 143 293	203 139 150 137 234	214 142 137 141 360	168 142 120 108 304	208 147 164 102 313	1972 195 169 179 154 305	1973 190 93 119 119 247	202 112 106 136 252	191 86 213 130 308	236 105 107 164 296	211 132 84 189 261	156 71 81 180 253	105 67 54 104 157	53 B A 69 61	
Austria Belgium Denmark Finland Greece Ireland	178 125 183 138 303 107	228 92 99 143 293 157	203 139 150 137 234 141	214 142 137 141 360 106	168 142 120 108 304 179	208 147 164 102 313 121	1972 195 169 179 154 305 190	1973 190 93 119 119 247 163	202 112 106 136 252 159	191 86 213 130 308 205	236 105 107 164 296 191	211 132 84 189 261 199	156 71 81 180 253 161	105 67 54 104 157 107	53 B A 69 61 54	
Austria Belgium Denmark Finland Greece Ireland Italy	178 125 183 138 303 107 664	228 92 99 143 293 157 620	203 139 150 137 234 141 625	214 142 137 141 360 106 559	168 142 120 108 304 179 636	208 147 164 102 313 121 593	1972 195 169 179 154 305 190 684	1973 190 93 119 119 247 163 616	202 112 106 136 252 159 621	191 86 213 130 308 205 515	236 105 107 164 296 191 591	211 132 84 189 261 199 489	156 71 81 180 253 161 395	105 67 54 104 157 107 237	53 B A 69 61 54 106	
Austria Belgium Denmark Finland Greece Ireland Italy Portugal	178 125 183 138 303 107 664 304	228 92 99 143 293 157 620 256	203 139 150 137 234 141 625 308	214 142 137 141 360 106 559 284	168 142 120 108 304 179 636 391	208 147 164 102 313 121 593 426	1972 195 169 179 154 305 190 684 509	1973 190 93 119 119 247 163 616 393	202 112 106 136 252 159 621 436	191 86 213 130 308 205 515 543	236 105 107 164 296 191 591 476	211 132 84 189 261 199 489 398	156 71 81 180 253 161 395 288	105 67 54 104 157 107 237 204	53 B A 69 61 54 106 87	
Austria Belgium Denmark Finland Greece Ireland Italy Portugal Spain	178 125 183 138 303 107 664 304 474	228 92 99 143 293 157 620 256 486	203 139 150 137 234 141 625 308 459	214 142 137 141 360 106 559 284 466	168 142 120 108 304 179 636 391 511	208 147 164 102 313 121 593 426 484	1972 195 169 179 154 305 190 684 509 496	190 93 119 119 247 163 616 393 396	202 112 106 136 252 159 621 436 535	191 86 213 130 308 205 515 543 472	236 105 107 164 296 191 591 476 525	211 132 84 189 261 199 489 398 571	156 71 81 180 253 161 395 288 332	105 67 54 104 157 107 237 204 203	53 B A 69 61 54 106 87 111	

# Table 1A. Number of observations by year of birth, men

Source: See Table 1.

Note: A = Less than 20 observations; B = 20-49 observations.

Table 2A. Number of observations by year of birth, won	nen
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	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Austria	129	169	176	124	185	179	242	192	192	238	230	199	230	285	213	194
Belgium	159	139	168	127	144	175	216	172	236	200	248	227	221	221	216	212
Denmark	146	127	166	120	138	113	126	121	145	168	154	167	181	161	161	164
Finland	180	146	172	171	171	182	194	201	142	166	118	170	139	161	165	134
Greece	333	288	238	188	331	289	241	327	310	297	303	293	321	267	329	253
Ireland	143	135	147	156	150	141	138	192	205	163	120	163	138	146	170	138
Italy	426	424	361	443	514	468	517	523	471	507	523	526	477	521	551	535
Portugal	288	327	346	283	326	308	306	359	328	318	350	330	332	333	352	316
Spain	370	237	379	325	355	360	379	362	390	314	359	332	422	415	399	345
Sweden	170	144	146	175	148	152	142	142	143	157	151	143	142	166	173	165
	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	
Austria	<b>1966</b> 188	<b>1967</b> 170	<b>1968</b> 131	<b>1969</b> 177	<b>1970</b> 206	<b>1971</b> 149	<b>1972</b> 189	<b>1973</b> 191	<b>1974</b> 177	<b>1975</b> 171	<b>1976</b> 206	<b>1977</b> 155	<b>1978</b> 132	<b>1979</b> 77	<b>1980</b> 69	
Austria Belgium	<b>1966</b> 188 194	<b>1967</b> 170 187	<b>1968</b> 131 151	<b>1969</b> 177 164	<b>1970</b> 206 111	<b>1971</b> 149 168	<b>1972</b> 189 142	<b>1973</b> 191 175	<b>1974</b> 177 159	<b>1975</b> 171 158	<b>1976</b> 206 105	<b>1977</b> 155 146	<b>1978</b> 132 104	<b>1979</b> 77 66	<b>1980</b> 69 B	
Austria Belgium Denmark	<b>1966</b> 188 194 186	<b>1967</b> 170 187 143	<b>1968</b> 131 151 152	<b>1969</b> 177 164 115	<b>1970</b> 206 111 147	<b>1971</b> 149 168 157	<b>1972</b> 189 142 173	<b>1973</b> 191 175 135	<b>1974</b> 177 159 143	<b>1975</b> 171 158 163	<b>1976</b> 206 105 90	<b>1977</b> 155 146 117	<b>1978</b> 132 104 80	<b>1979</b> 77 66 52	<b>1980</b> 69 B B	
Austria Belgium Denmark Finland	<b>1966</b> 188 194 186 159	<b>1967</b> 170 187 143 170	<b>1968</b> 131 151 152 128	<b>1969</b> 177 164 115 146	<b>1970</b> 206 111 147 126	<b>1971</b> 149 168 157 136	<b>1972</b> 189 142 173 91	<b>1973</b> 191 175 135 141	<b>1974</b> 177 159 143 121	<b>1975</b> 171 158 163 119	<b>1976</b> 206 105 90 156	<b>1977</b> 155 146 117 180	<b>1978</b> 132 104 80 237	<b>1979</b> 77 66 52 116	<b>1980</b> 69 B B 90	
Austria Belgium Denmark Finland Greece	<b>1966</b> 188 194 186 159 234	<b>1967</b> 170 187 143 170 267	<b>1968</b> 131 151 152 128 306	<b>1969</b> 177 164 115 146 281	<b>1970</b> 206 111 147 126 268	<b>1971</b> 149 168 157 136 262	<b>1972</b> 189 142 173 91 344	<b>1973</b> 191 175 135 141 298	<b>1974</b> 177 159 143 121 335	<b>1975</b> 171 158 163 119 264	<b>1976</b> 206 105 90 156 286	<b>1977</b> 155 146 117 180 322	<b>1978</b> 132 104 80 237 316	<b>1979</b> 77 66 52 116 184	<b>1980</b> 69 B B 90 77	
Austria Belgium Denmark Finland Greece Ireland	<b>1966</b> 188 194 186 159 234 130	<b>1967</b> 170 187 143 170 267 160	<b>1968</b> 131 151 152 128 306 84	<b>1969</b> 177 164 115 146 281 156	<b>1970</b> 206 111 147 126 268 122	<b>1971</b> 149 168 157 136 262 142	<b>1972</b> 189 142 173 91 344 178	<b>1973</b> 191 175 135 141 298 174	<b>1974</b> 177 159 143 121 335 194	<b>1975</b> 171 158 163 119 264 169	<b>1976</b> 206 105 90 156 286 200	<b>1977</b> 155 146 117 180 322 180	<b>1978</b> 132 104 80 237 316 111	<b>1979</b> 77 66 52 116 184 97	1980 69 B 90 77 B	
Austria Belgium Denmark Finland Greece Ireland Italy	<b>1966</b> 188 194 186 159 234 130 595	<b>1967</b> 170 187 143 170 267 160 531	<b>1968</b> 131 151 152 128 306 84 522	<b>1969</b> 177 164 115 146 281 156 621	<b>1970</b> 206 111 147 126 268 122 658	<b>1971</b> 149 168 157 136 262 142 592	<b>1972</b> 189 142 173 91 344 178 674	<b>1973</b> 191 175 135 141 298 174 640	<b>1974</b> 177 159 143 121 335 194 626	<b>1975</b> 171 158 163 119 264 169 548	1976 206 105 90 156 286 200 621	<b>1977</b> 155 146 117 180 322 180 575	<b>1978</b> 132 104 80 237 316 111 332	<b>1979</b> 77 66 52 116 184 97 210	<b>1980</b> 69 B 90 77 B 92	
Austria Belgium Denmark Finland Greece Ireland Italy Portugal	<b>1966</b> 188 194 186 159 234 130 595 322	<b>1967</b> 170 187 143 170 267 160 531 246	<b>1968</b> 131 151 152 128 306 84 522 297	<b>1969</b> 177 164 115 146 281 156 621 233	<b>1970</b> 206 111 147 126 268 122 658 353	<b>1971</b> 149 168 157 136 262 142 592 306	<b>1972</b> 189 142 173 91 344 178 674 371	<b>1973</b> 191 175 135 141 298 174 640 364	<b>1974</b> 177 159 143 121 335 194 626 363	<b>1975</b> 171 158 163 119 264 169 548 451	1976 206 105 90 156 286 200 621 516	<b>1977</b> 155 146 117 180 322 180 575 438	<b>1978</b> 132 104 80 237 316 111 332 320	<b>1979</b> 77 66 52 116 184 97 210 214	<b>1980</b> 69 B 90 77 B 92 106	
Austria Belgium Denmark Finland Greece Ireland Italy Portugal Spain	<b>1966</b> 188 194 186 159 234 130 595 322 421	<b>1967</b> 170 187 143 170 267 160 531 246 453	<b>1968</b> 131 151 152 128 306 84 522 297 479	<b>1969</b> 177 164 115 146 281 156 621 233 469	<b>1970</b> 206 111 147 126 268 122 658 353 510	<b>1971</b> <ul> <li>149</li> <li>168</li> <li>157</li> <li>136</li> <li>262</li> <li>142</li> <li>592</li> <li>306</li> <li>494</li> </ul>	<b>1972</b> 189 142 173 91 344 178 674 371 481	<b>1973</b> 191 175 135 141 298 174 640 364 479	<b>1974</b> 177 159 143 121 335 194 626 363 531	<b>1975</b> 171 158 163 119 264 169 548 451 519	1976 206 105 90 156 286 200 621 516 469	<b>1977</b> 155 146 117 180 322 180 575 438 501	<b>1978</b> 132 104 80 237 316 111 332 320 318	<b>1979</b> 77 66 52 116 184 97 210 214 236	1980 69 B 90 77 B 92 106 94	

Source: See Table 1.

Note: See Table 1A.

Table 3A. Average heigl	nts by year of birth,	men, centimeters
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	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Austria	177.6	175.0	177.2	176.6	174.5	177.1	176.7	176.6	177.5	176.5	177.7	179.2	177.4	180.4	179.1	179.7
Belgium	172.9	176.7	176.6	176.3	178.1	176.5	177.7	178.4	177.2	176.3	176.8	176.8	175.7	178.2	177.4	178.0
Denmark	178.5	182.8	179.8	180.6	181.6	178.1	179.5	180.8	180.2	179.0	179.3	180.3	182.0	180.4	181.0	181.1
Finland	177.2	177.9	177.4	177.6	178.9	177.7	178.0	178.7	179.1	178.6	180.6	178.1	180.7	181.6	179.7	177.7
Greece	174.4	173.7	174.9	174.1	176.2	175.0	174.5	176.2	174.9	174.9	176.7	175.5	177.3	176.6	176.9	176.5
Ireland	173.8	174.8	175.4	176.1	174.8	174.8	176.3	175.9	174.7	175.0	179.4	176.6	175.9	175.1	176.2	176.7
Italy	171.3	171.6	172.7	173.7	171.8	173.9	174.4	174.0	174.4	174.6	174.0	173.0	175.3	175.3	176.0	174.9
Portugal	168.7	169.1	168.0	168.4	169.3	169.3	171.0	168.0	171.3	170.5	169.3	170.9	169.9	170.9	167.2	171.0
Spain	172.4	171.6	171.3	169.5	170.6	172.2	172.1	172.1	172.0	170.7	171.7	172.1	173.7	172.8	173.6	174.5
Sweden	179.0	179.8	179.7	179.6	180.4	179.5	179.1	179.6	180.2	178.9	179.1	180.4	180.9	180.7	181.3	181.2
	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	
Austria	<b>1966</b> 178.8	<b>1967</b> 179.5	<b>1968</b> 180.1	<b>1969</b> 179.5	<b>1970</b> 174.7	<b>1971</b> 179.7	<b>1972</b> 178.1	<b>1973</b> 180.5	<b>1974</b> 178.5	<b>1975</b> 176.9	<b>1976</b> 179.6	<b>1977</b> 180.3	<b>1978</b> 178.2	<b>1979</b> 180.5	<b>1980</b> 179.2	
Austria Belgium	<b>1966</b> 178.8 179.9	<b>1967</b> 179.5 179.9	<b>1968</b> 180.1 182.1	<b>1969</b> 179.5 176.9	<b>1970</b> 174.7 178.0	<b>1971</b> 179.7 178.5	<b>1972</b> 178.1 178.6	<b>1973</b> 180.5 181.6	<b>1974</b> 178.5 176.4	<b>1975</b> 176.9 181.0	<b>1976</b> 179.6 180.3	<b>1977</b> 180.3 180.7	<b>1978</b> 178.2 179.3	<b>1979</b> 180.5 178.4	<b>1980</b> 179.2 [178.6]	
Austria Belgium Denmark	<b>1966</b> 178.8 179.9 182.0	<b>1967</b> 179.5 179.9 180.9	<b>1968</b> 180.1 182.1 182.4	<b>1969</b> 179.5 176.9 182.3	<b>1970</b> 174.7 178.0 180.8	<b>1971</b> 179.7 178.5 178.7	<b>1972</b> 178.1 178.6 180.2	<b>1973</b> 180.5 181.6 182.1	<b>1974</b> 178.5 176.4 182.1	<b>1975</b> 176.9 181.0 183.6	<b>1976</b> 179.6 180.3 181.7	<b>1977</b> 180.3 180.7 186.0	<b>1978</b> 178.2 179.3 182.6	<b>1979</b> 180.5 178.4 185.4	<b>1980</b> 179.2 [178.6] NA	
Austria Belgium Denmark Finland	<b>1966</b> 178.8 179.9 182.0 179.5	<b>1967</b> 179.5 179.9 180.9 177.6	<b>1968</b> 180.1 182.1 182.4 177.5	<b>1969</b> 179.5 176.9 182.3 177.7	<b>1970</b> 174.7 178.0 180.8 177.5	<b>1971</b> 179.7 178.5 178.7 178.7	<b>1972</b> 178.1 178.6 180.2 178.2	<b>1973</b> 180.5 181.6 182.1 180.7	<b>1974</b> 178.5 176.4 182.1 176.5	<b>1975</b> 176.9 181.0 183.6 176.1	<b>1976</b> 179.6 180.3 181.7 179.8	<b>1977</b> 180.3 180.7 186.0 179.9	<b>1978</b> 178.2 179.3 182.6 178.2	<b>1979</b> 180.5 178.4 185.4 180.0	<b>1980</b> 179.2 [178.6] NA 175.9	
Austria Belgium Denmark Finland Greece	<b>1966</b> 178.8 179.9 182.0 179.5 176.2	<b>1967</b> 179.5 179.9 180.9 177.6 176.9	<b>1968</b> 180.1 182.1 182.4 177.5 176.0	<b>1969</b> 179.5 176.9 182.3 177.7 178.5	<b>1970</b> 174.7 178.0 180.8 177.5 177.5	<b>1971</b> 179.7 178.5 178.7 178.7 179.5	<b>1972</b> 178.1 178.6 180.2 178.2 176.8	<b>1973</b> 180.5 181.6 182.1 180.7 177.7	<b>1974</b> 178.5 176.4 182.1 176.5 180.0	<b>1975</b> 176.9 181.0 183.6 176.1 178.0	<b>1976</b> 179.6 180.3 181.7 179.8 177.8	<b>1977</b> 180.3 180.7 186.0 179.9 178.4	<b>1978</b> 178.2 179.3 182.6 178.2 179.5	<b>1979</b> 180.5 178.4 185.4 180.0 179.3	<b>1980</b> 179.2 [178.6] NA 175.9 178.3	
Austria Belgium Denmark Finland Greece Ireland	<b>1966</b> 178.8 179.9 182.0 179.5 176.2 178.1	<b>1967</b> 179.5 179.9 180.9 177.6 176.9 177.4	<b>1968</b> 180.1 182.1 182.4 177.5 176.0 175.3	<b>1969</b> 179.5 176.9 182.3 177.7 178.5 176.0	<b>1970</b> 174.7 178.0 180.8 177.5 177.5 177.7	<b>1971</b> 179.7 178.5 178.7 178.7 179.5 179.2	<b>1972</b> 178.1 178.6 180.2 178.2 176.8 175.9	<b>1973</b> 180.5 181.6 182.1 180.7 177.7 175.5	<b>1974</b> 178.5 176.4 182.1 176.5 180.0 178.1	<b>1975</b> 176.9 181.0 183.6 176.1 178.0 176.2	<b>1976</b> 179.6 180.3 181.7 179.8 177.8 176.6	<b>1977</b> 180.3 180.7 186.0 179.9 178.4 179.3	<b>1978</b> 178.2 179.3 182.6 178.2 179.5 175.4	<b>1979</b> 180.5 178.4 185.4 180.0 179.3 178.3	<b>1980</b> 179.2 [178.6] NA 175.9 178.3 177.5	
Austria Belgium Denmark Finland Greece Ireland Italy	<b>1966</b> 178.8 179.9 182.0 179.5 176.2 178.1 173.9	<b>1967</b> 179.5 179.9 180.9 177.6 176.9 177.4 175.6	<b>1968</b> 180.1 182.1 182.4 177.5 176.0 175.3 175.0	<b>1969</b> 179.5 176.9 182.3 177.7 178.5 176.0 174.3	<b>1970</b> 174.7 178.0 180.8 177.5 177.5 177.7 174.7	<b>1971</b> 179.7 178.5 178.7 178.7 179.5 179.2 175.6	<b>1972</b> 178.1 178.6 180.2 178.2 176.8 175.9 174.0	<b>1973</b> 180.5 181.6 182.1 180.7 177.7 175.5 174.6	<b>1974</b> 178.5 176.4 182.1 176.5 180.0 178.1 176.8	<b>1975</b> 176.9 181.0 183.6 176.1 178.0 176.2 175.7	<b>1976</b> 179.6 180.3 181.7 179.8 177.8 176.6 176.1	<b>1977</b> 180.3 180.7 186.0 179.9 178.4 179.3 175.9	<b>1978</b> 178.2 179.3 182.6 178.2 179.5 175.4 177.8	<b>1979</b> 180.5 178.4 185.4 180.0 179.3 178.3 178.4	1980 179.2 [178.6] NA 175.9 178.3 177.5 177.2	
Austria Belgium Denmark Finland Greece Ireland Italy Portugal	<b>1966</b> 178.8 179.9 182.0 179.5 176.2 178.1 173.9 168.5	<b>1967</b> 179.5 179.9 180.9 177.6 176.9 177.4 175.6 169.2	<b>1968</b> 180.1 182.1 182.4 177.5 176.0 175.3 175.0 171.1	<b>1969</b> 179.5 176.9 182.3 177.7 178.5 176.0 174.3 170.1	<b>1970</b> 174.7 178.0 180.8 177.5 177.5 177.7 174.7 170.2	<b>1971</b> 179.7 178.5 178.7 178.7 179.5 179.2 175.6 169.9	<b>1972</b> 178.1 178.6 180.2 178.2 176.8 175.9 174.0 172.2	<b>1973</b> 180.5 181.6 182.1 180.7 177.7 175.5 174.6 172.4	<b>1974</b> 178.5 176.4 182.1 176.5 180.0 178.1 176.8 173.2	<b>1975</b> 176.9 181.0 183.6 176.1 178.0 176.2 175.7 172.9	<b>1976</b> 179.6 180.3 181.7 179.8 177.8 176.6 176.1 171.2	<b>1977</b> 180.3 180.7 186.0 179.9 178.4 179.3 175.9 173.8	<b>1978</b> 178.2 179.3 182.6 178.2 179.5 175.4 177.8 172.0	<b>1979</b> 180.5 178.4 185.4 180.0 179.3 178.3 178.4 173.9	<b>1980</b> 179.2 [178.6] NA 175.9 178.3 177.5 177.2 173.7	
Austria Belgium Denmark Finland Greece Ireland Italy Portugal Spain	<b>1966</b> 178.8 179.9 182.0 179.5 176.2 178.1 173.9 168.5 174.4	<b>1967</b> 179.5 179.9 180.9 177.6 176.9 177.4 175.6 169.2 174.1	<b>1968</b> 180.1 182.1 182.4 177.5 176.0 175.3 175.0 171.1 174.0	<b>1969</b> 179.5 176.9 182.3 177.7 178.5 176.0 174.3 170.1 175.0	<b>1970</b> 174.7 178.0 180.8 177.5 177.5 177.7 174.7 170.2 175.8	<b>1971</b> 179.7 178.5 178.7 178.7 179.5 179.2 175.6 169.9 174.4	<b>1972</b> 178.1 178.6 180.2 178.2 176.8 175.9 174.0 172.2 176.7	<b>1973</b> 180.5 181.6 182.1 180.7 177.7 175.5 174.6 172.4 176.2	<b>1974</b> 178.5 176.4 182.1 176.5 180.0 178.1 176.8 173.2 175.2	<b>1975</b> 176.9 181.0 183.6 176.1 178.0 176.2 175.7 172.9 175.9	<b>1976</b> 179.6 180.3 181.7 179.8 177.8 176.6 176.1 171.2 176.4	<b>1977</b> 180.3 180.7 186.0 179.9 178.4 179.3 175.9 173.8 176.4	<b>1978</b> 178.2 179.3 182.6 178.2 179.5 175.4 177.8 172.0 172.7	<b>1979</b> 180.5 178.4 185.4 180.0 179.3 178.3 178.4 173.9 176.8	<b>1980</b> 179.2 [178.6] NA 175.9 178.3 177.5 177.2 173.7 178.0	

Source: See Table 1.

Note: NA = Not publishable (number of observations below 20). The average height for the Danish cohort of 1980 (men and women altogether) is 176.0. Means in brackets correspond to 20-49 observations.

Table 4A. Average l	heights by	year of birth,	women,	centimeters
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	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Austria	164.9	164.1	165.4	165.6	166.6	166.8	166.4	166.6	165.8	165.7	166.5	165.9	165.8	166.6	167.1	168.1
Belgium	161.5	163.0	163.1	164.1	163.7	164.8	165.2	163.9	165.1	165.0	165.4	165.4	163.7	165.4	164.3	166.0
Denmark	167.4	166.7	168.5	167.8	168.0	164.7	165.8	167.0	166.3	168.1	165.9	167.0	167.4	167.6	166.1	169.4
Finland	164.1	165.1	163.4	164.4	164.5	164.5	164.2	164.1	165.8	165.1	165.1	166.3	165.0	165.6	165.0	165.7
Greece	163.3	163.0	162.7	163.6	163.8	163.6	163.8	164.4	163.9	163.9	164.4	164.3	164.6	164.3	164.9	166.1
Ireland	163.1	162.2	163.1	162.3	162.9	162.4	162.5	161.4	162.5	162.3	164.7	162.0	163.7	163.6	162.5	164.2
Italy	161.4	160.6	161.4	161.6	161.7	162.0	162.4	162.4	161.6	162.3	162.9	162.4	163.8	162.3	163.4	163.2
Portugal	157.7	158.7	160.3	159.3	159.3	158.2	159.1	157.9	160.4	160.1	159.0	162.2	160.5	159.0	160.1	160.5
Spain	159.9	160.6	160.3	159.5	161.1	160.8	159.3	160.4	160.7	162.3	162.1	160.8	161.1	160.9	161.9	162.0
Sweden	165.4	165.5	164.7	165.0	165.8	165.7	166.1	166.3	167.1	166.3	166.1	166.4	167.6	166.8	166.2	166.3
	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	
Austria	<b>1966</b> 166.1	<b>1967</b> 167.3	<b>1968</b> 164.9	<b>1969</b> 166.9	<b>1970</b> 166.2	<b>1971</b> 166.8	<b>1972</b> 168.6	<b>1973</b> 167.2	<b>1974</b> 167.7	<b>1975</b> 168.1	<b>1976</b> 166.5	<b>1977</b> 166.5	<b>1978</b> 168.7	<b>1979</b> 166.2	<b>1980</b> 167.6	
Austria Belgium	<b>1966</b> 166.1 167.0	<b>1967</b> 167.3 165.5	<b>1968</b> 164.9 167.4	<b>1969</b> 166.9 165.3	<b>1970</b> 166.2 166.7	<b>1971</b> 166.8 166.2	<b>1972</b> 168.6 167.7	<b>1973</b> 167.2 164.4	<b>1974</b> 167.7 167.0	<b>1975</b> 168.1 165.7	<b>1976</b> 166.5 166.1	<b>1977</b> 166.5 166.8	<b>1978</b> 168.7 167.7	<b>1979</b> 166.2 170.5	<b>1980</b> 167.6 [168.1]	
Austria Belgium Denmark	<b>1966</b> 166.1 167.0 167.8	<b>1967</b> 167.3 165.5 168.6	<b>1968</b> 164.9 167.4 168.1	<b>1969</b> 166.9 165.3 168.9	<b>1970</b> 166.2 166.7 169.0	<b>1971</b> 166.8 166.2 166.4	<b>1972</b> 168.6 167.7 167.5	<b>1973</b> 167.2 164.4 167.9	<b>1974</b> 167.7 167.0 168.7	<b>1975</b> 168.1 165.7 169.9	<b>1976</b> 166.5 166.1 170.7	<b>1977</b> 166.5 166.8 167.0	<b>1978</b> 168.7 167.7 168.7	<b>1979</b> 166.2 170.5 167.5	<b>1980</b> 167.6 [168.1] [169.1]	
Austria Belgium Denmark Finland	<b>1966</b> 166.1 167.0 167.8 167.0	<b>1967</b> 167.3 165.5 168.6 166.4	<b>1968</b> 164.9 167.4 168.1 165.3	<b>1969</b> 166.9 165.3 168.9 163.9	<b>1970</b> 166.2 166.7 169.0 164.9	<b>1971</b> 166.8 166.2 166.4 166.2	<b>1972</b> 168.6 167.7 167.5 164.3	<b>1973</b> 167.2 164.4 167.9 163.5	<b>1974</b> 167.7 167.0 168.7 166.1	<b>1975</b> 168.1 165.7 169.9 165.9	<b>1976</b> 166.5 166.1 170.7 166.5	<b>1977</b> 166.5 166.8 167.0 164.6	<b>1978</b> 168.7 167.7 168.7 165.9	<b>1979</b> 166.2 170.5 167.5 167.6	<b>1980</b> 167.6 [168.1] [169.1] 165.0	
Austria Belgium Denmark Finland Greece	<b>1966</b> 166.1 167.0 167.8 167.0 165.3	<b>1967</b> 167.3 165.5 168.6 166.4 165.8	<b>1968</b> 164.9 167.4 168.1 165.3 165.4	<b>1969</b> 166.9 165.3 168.9 163.9 165.7	<b>1970</b> 166.2 166.7 169.0 164.9 165.3	<b>1971</b> 166.8 166.2 166.4 166.2 166.8	<b>1972</b> 168.6 167.7 167.5 164.3 166.5	<b>1973</b> 167.2 164.4 167.9 163.5 166.7	<b>1974</b> 167.7 167.0 168.7 166.1 166.3	<b>1975</b> 168.1 165.7 169.9 165.9 165.9	<b>1976</b> 166.5 166.1 170.7 166.5 166.0	<b>1977</b> 166.5 166.8 167.0 164.6 165.6	<b>1978</b> 168.7 167.7 168.7 165.9 165.9	<b>1979</b> 166.2 170.5 167.5 167.6 165.5	<b>1980</b> 167.6 [168.1] [169.1] 165.0 166.6	
Austria Belgium Denmark Finland Greece Ireland	<b>1966</b> 166.1 167.0 167.8 167.0 165.3 165.9	<b>1967</b> 167.3 165.5 168.6 166.4 165.8 165.1	<b>1968</b> 164.9 167.4 168.1 165.3 165.4 166.0	<b>1969</b> 166.9 165.3 168.9 163.9 165.7 162.6	<b>1970</b> 166.2 166.7 169.0 164.9 165.3 160.8	<b>1971</b> 166.8 166.2 166.4 166.2 166.8 164.3	<b>1972</b> 168.6 167.7 167.5 164.3 166.5 164.5	<b>1973</b> 167.2 164.4 167.9 163.5 166.7 165.8	<b>1974</b> 167.7 167.0 168.7 166.1 166.3 163.4	<b>1975</b> 168.1 165.7 169.9 165.9 165.9 165.5	<b>1976</b> 166.5 166.1 170.7 166.5 166.0 164.6	<b>1977</b> 166.5 166.8 167.0 164.6 165.6 164.2	<b>1978</b> 168.7 167.7 168.7 165.9 165.9 165.0	<b>1979</b> 166.2 170.5 167.5 167.6 165.5 164.7	<b>1980</b> 167.6 [168.1] [169.1] 165.0 166.6 [163.5]	
Austria Belgium Denmark Finland Greece Ireland Italy	<b>1966</b> 166.1 167.0 167.8 167.0 165.3 165.9 164.0	<b>1967</b> 167.3 165.5 168.6 166.4 165.8 165.1 163.2	<b>1968</b> 164.9 167.4 168.1 165.3 165.4 166.0 163.8	<b>1969</b> 166.9 165.3 168.9 163.9 165.7 162.6 164.4	<b>1970</b> 166.2 166.7 169.0 164.9 165.3 160.8 164.1	<b>1971</b> 166.8 166.2 166.4 166.2 166.8 164.3 163.7	<b>1972</b> 168.6 167.7 167.5 164.3 166.5 164.5 163.9	<b>1973</b> 167.2 164.4 167.9 163.5 166.7 165.8 163.7	<b>1974</b> 167.7 167.0 168.7 166.1 166.3 163.4 164.9	<b>1975</b> 168.1 165.7 169.9 165.9 165.9 165.5 165.7	<b>1976</b> 166.5 166.1 170.7 166.5 166.0 164.6 165.9	<b>1977</b> 166.5 166.8 167.0 164.6 165.6 164.2 165.5	<b>1978</b> 168.7 167.7 168.7 165.9 165.9 165.0 166.8	<b>1979</b> 166.2 170.5 167.5 167.6 165.5 164.7 166.6	<b>1980</b> 167.6 [168.1] [169.1] 165.0 166.6 [163.5] 167.8	
Austria Belgium Denmark Finland Greece Ireland Italy Portugal	<b>1966</b> 166.1 167.0 167.8 167.0 165.3 165.9 164.0 160.0	<b>1967</b> 167.3 165.5 168.6 166.4 165.8 165.1 163.2 161.5	<b>1968</b> 164.9 167.4 168.1 165.3 165.4 166.0 163.8 161.4	<b>1969</b> 165.3 168.9 163.9 165.7 162.6 164.4 162.0	<b>1970</b> 166.2 166.7 169.0 164.9 165.3 160.8 164.1 159.1	<b>1971</b> 166.8 166.2 166.4 166.2 166.8 164.3 163.7 162.2	<b>1972</b> 168.6 167.7 167.5 164.3 166.5 164.5 163.9 160.8	<b>1973</b> 167.2 164.4 167.9 163.5 166.7 165.8 163.7 162.4	<b>1974</b> 167.7 167.0 168.7 166.1 166.3 163.4 164.9 163.4	<b>1975</b> 168.1 165.7 169.9 165.9 165.9 165.5 165.7 163.6	<b>1976</b> 166.5 166.1 170.7 166.5 166.0 164.6 165.9 161.8	<b>1977</b> 166.5 166.8 167.0 164.6 165.6 164.2 165.5 162.6	<b>1978</b> 168.7 167.7 165.9 165.9 165.0 166.8 162.2	<b>1979</b> 166.2 170.5 167.5 167.6 165.5 164.7 166.6 162.3	<b>1980</b> 167.6 [168.1] [169.1] 165.0 166.6 [163.5] 167.8 163.7	
Austria Belgium Denmark Finland Greece Ireland Italy Portugal Spain	<b>1966</b> 166.1 167.0 167.8 167.0 165.3 165.9 164.0 160.0 161.9	<b>1967</b> 167.3 165.5 168.6 166.4 165.8 165.1 163.2 161.5 162.4	<b>1968</b> 164.9 167.4 168.1 165.3 165.4 166.0 163.8 161.4 162.4	<b>1969</b> 166.9 165.3 168.9 163.9 165.7 162.6 164.4 162.0 163.6	<b>1970</b> 166.2 166.7 169.0 164.9 165.3 160.8 164.1 159.1 163.7	<b>1971</b> 166.8 166.2 166.4 166.2 166.8 164.3 163.7 162.2 163.9	<b>1972</b> 168.6 167.7 167.5 164.3 166.5 164.5 163.9 160.8 164.2	<b>1973</b> 167.2 164.4 167.9 163.5 166.7 165.8 163.7 162.4 164.7	<b>1974</b> 167.7 167.0 168.7 166.1 166.3 163.4 164.9 163.4 164.7	<b>1975</b> 168.1 165.7 169.9 165.9 165.9 165.5 165.7 163.6 164.7	<b>1976</b> 166.5 166.1 170.7 166.5 166.0 164.6 165.9 161.8 164.0	<b>1977</b> 166.5 166.8 167.0 164.6 165.6 164.2 165.5 162.6 165.0	<b>1978</b> 168.7 167.7 165.9 165.9 165.0 166.8 162.2 165.3	<b>1979</b> 166.2 170.5 167.5 167.6 165.5 164.7 166.6 162.3 167.0	<b>1980</b> 167.6 [168.1] [169.1] 165.0 166.6 [163.5] 167.8 163.7 166.2	

Source: See Table 1.

Note: See Table 3A.

	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Austria	7.0	7.8	7.9	6.2	7.6	6.4	6.4	5.4	7.5	6.5	7.9	5.5	7.7	6.5	6.5	6.0
Belgium	7.4	5.5	7.0	7.8	6.5	6.2	5.9	7.2	6.9	6.6	6.6	7.1	8.2	7.9	5.0	7.3
Denmark	5.8	7.7	7.1	7.6	6.9	6.0	6.1	6.6	5.4	5.4	7.0	5.0	5.6	5.8	5.8	9.3
Finland	6.4	5.3	5.6	5.7	6.2	7.6	6.8	5.9	6.7	6.7	7.0	5.9	7.9	7.1	6.7	5.7
Greece	6.2	6.1	7.4	6.7	7.1	6.8	6.3	6.7	6.3	6.6	6.7	5.8	6.7	5.4	6.3	6.6
Ireland	7.0	7.2	8.3	4.8	6.7	6.9	6.1	5.5	7.9	6.8	6.5	6.2	7.2	5.5	7.1	6.7
Italy	5.8	6.8	7.0	8.1	6.7	6.2	7.2	7.0	6.6	6.0	7.4	7.0	6.7	8.0	7.1	6.5
Portugal	6.9	7.5	6.4	6.6	5.9	5.9	7.1	6.6	5.6	6.1	6.3	6.3	7.3	7.1	5.5	5.8
Spain	6.3	6.6	7.5	7.1	7.0	6.3	7.6	6.9	6.5	7.4	6.5	6.8	6.4	7.5	7.3	6.5
Sweden	6.9	7.0	7.3	7.3	6.6	6.8	6.3	7.2	7.0	7.1	6.6	6.9	7.4	6.6	7.7	7.5
	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	
Austria	<b>1966</b> 6.7	<b>1967</b> 5.7	<b>1968</b> 7.4	<b>1969</b> 6.3	<b>1970</b> 9.1	<b>1971</b> 5.6	<b>1972</b> 6.8	<b>1973</b> 7.3	<b>1974</b> 6.5	<b>1975</b> 8.7	<b>1976</b> 6.0	<b>1977</b> 7.1	<b>1978</b> 8.0	<b>1979</b> 7.1	<b>1980</b> 6.1	
Austria Belgium	<b>1966</b> 6.7 7.9	<b>1967</b> 5.7 5.0	<b>1968</b> 7.4 5.8	<b>1969</b> 6.3 6.6	<b>1970</b> 9.1 6.6	<b>1971</b> 5.6 9.0	<b>1972</b> 6.8 7.3	<b>1973</b> 7.3 7.0	<b>1974</b> 6.5 8.7	<b>1975</b> 8.7 6.1	<b>1976</b> 6.0 10.1	<b>1977</b> 7.1 6.0	<b>1978</b> 8.0 6.0	<b>1979</b> 7.1 8.6	<b>1980</b> 6.1 [6.6]	
Austria Belgium Denmark	<b>1966</b> 6.7 7.9 8.5	<b>1967</b> 5.7 5.0 6.5	<b>1968</b> 7.4 5.8 7.7	<b>1969</b> 6.3 6.6 6.7	<b>1970</b> 9.1 6.6 5.9	<b>1971</b> 5.6 9.0 6.8	<b>1972</b> 6.8 7.3 5.7	<b>1973</b> 7.3 7.0 7.1	<b>1974</b> 6.5 8.7 7.9	<b>1975</b> 8.7 6.1 5.9	<b>1976</b> 6.0 10.1 7.8	<b>1977</b> 7.1 6.0 5.5	<b>1978</b> 8.0 6.0 6.8	<b>1979</b> 7.1 8.6 6.8	<b>1980</b> 6.1 [6.6] NA	
Austria Belgium Denmark Finland	<b>1966</b> 6.7 7.9 8.5 7.5	<b>1967</b> 5.7 5.0 6.5 5.6	<b>1968</b> 7.4 5.8 7.7 6.2	<b>1969</b> 6.3 6.6 6.7 7.1	<b>1970</b> 9.1 6.6 5.9 6.5	<b>1971</b> 5.6 9.0 6.8 6.8	<b>1972</b> 6.8 7.3 5.7 5.9	<b>1973</b> 7.3 7.0 7.1 6.9	<b>1974</b> 6.5 8.7 7.9 6.5	<b>1975</b> 8.7 6.1 5.9 7.9	<b>1976</b> 6.0 10.1 7.8 6.2	<b>1977</b> 7.1 6.0 5.5 7.2	<b>1978</b> 8.0 6.0 6.8 7.4	<b>1979</b> 7.1 8.6 6.8 8.4	<b>1980</b> 6.1 [6.6] NA 5.9	
Austria Belgium Denmark Finland Greece	<b>1966</b> 6.7 7.9 8.5 7.5 6.7	<b>1967</b> 5.7 5.0 6.5 5.6 6.1	<b>1968</b> 7.4 5.8 7.7 6.2 8.6	<b>1969</b> 6.3 6.6 6.7 7.1 6.5	<b>1970</b> 9.1 6.6 5.9 6.5 6.5	<b>1971</b> 5.6 9.0 6.8 6.8 7.6	<b>1972</b> 6.8 7.3 5.7 5.9 6.3	<b>1973</b> 7.3 7.0 7.1 6.9 6.8	<b>1974</b> 6.5 8.7 7.9 6.5 7.8	<b>1975</b> 8.7 6.1 5.9 7.9 7.0	<b>1976</b> 6.0 10.1 7.8 6.2 6.2	<b>1977</b> 7.1 6.0 5.5 7.2 6.4	<b>1978</b> 8.0 6.0 6.8 7.4 7.6	<b>1979</b> 7.1 8.6 6.8 8.4 7.6	1980 6.1 [6.6] NA 5.9 7.6	
Austria Belgium Denmark Finland Greece Ireland	<b>1966</b> 6.7 7.9 8.5 7.5 6.7 6.6	<b>1967</b> 5.7 5.0 6.5 5.6 6.1 6.8	<b>1968</b> 7.4 5.8 7.7 6.2 8.6 6.5	<b>1969</b> 6.3 6.6 6.7 7.1 6.5 6.0	<b>1970</b> 9.1 6.6 5.9 6.5 6.5 6.5	<b>1971</b> 5.6 9.0 6.8 6.8 7.6 6.2	<b>1972</b> 6.8 7.3 5.7 5.9 6.3 8.3	<b>1973</b> 7.3 7.0 7.1 6.9 6.8 8.7	<b>1974</b> 6.5 8.7 7.9 6.5 7.8 5.9	<b>1975</b> 8.7 6.1 5.9 7.9 7.0 9.1	<b>1976</b> 6.0 10.1 7.8 6.2 6.2 7.6	<b>1977</b> 7.1 6.0 5.5 7.2 6.4 7.5	<b>1978</b> 8.0 6.0 6.8 7.4 7.6 7.4	<b>1979</b> 7.1 8.6 6.8 8.4 7.6 8.9	1980 6.1 [6.6] NA 5.9 7.6 6.3	
Austria Belgium Denmark Finland Greece Ireland Italy	<b>1966</b> 6.7 7.9 8.5 7.5 6.7 6.6 6.6	<b>1967</b> 5.7 5.0 6.5 5.6 6.1 6.8 7.0	<b>1968</b> 7.4 5.8 7.7 6.2 8.6 6.5 7.1	<b>1969</b> 6.3 6.6 6.7 7.1 6.5 6.0 6.9	<b>1970</b> 9.1 6.6 5.9 6.5 6.5 6.5 6.5	<b>1971</b> 5.6 9.0 6.8 6.8 7.6 6.2 7.6	<b>1972</b> 6.8 7.3 5.7 5.9 6.3 8.3 7.0	<b>1973</b> 7.3 7.0 7.1 6.9 6.8 8.7 6.7	<b>1974</b> 6.5 8.7 7.9 6.5 7.8 5.9 6.6	<b>1975</b> 8.7 6.1 5.9 7.9 7.0 9.1 6.6	<b>1976</b> 6.0 10.1 7.8 6.2 6.2 7.6 6.4	<b>1977</b> 7.1 6.0 5.5 7.2 6.4 7.5 7.4	<b>1978</b> 8.0 6.0 6.8 7.4 7.6 7.4 6.3	<b>1979</b> 7.1 8.6 6.8 8.4 7.6 8.9 7.2	<b>1980</b> 6.1 [6.6] NA 5.9 7.6 6.3 6.0	
Austria Belgium Denmark Finland Greece Ireland Italy Portugal	<b>1966</b> 6.7 7.9 8.5 7.5 6.7 6.6 6.6 6.5	<b>1967</b> 5.7 5.0 6.5 5.6 6.1 6.8 7.0 6.2	<b>1968</b> 7.4 5.8 7.7 6.2 8.6 6.5 7.1 6.2	<b>1969</b> 6.3 6.6 6.7 7.1 6.5 6.0 6.9 6.3	<b>1970</b> 9.1 6.6 5.9 6.5 6.5 6.5 6.8 5.7	<b>1971</b> 5.6 9.0 6.8 6.8 7.6 6.2 7.6 6.4	<b>1972</b> 6.8 7.3 5.7 5.9 6.3 8.3 7.0 6.1	<b>1973</b> 7.3 7.0 7.1 6.9 6.8 8.7 6.7 6.7	<b>1974</b> 6.5 8.7 7.9 6.5 7.8 5.9 6.6 6.8	<b>1975</b> 8.7 6.1 5.9 7.9 7.0 9.1 6.6 7.6	<b>1976</b> 6.0 10.1 7.8 6.2 6.2 7.6 6.4 7.5	<b>1977</b> 7.1 6.0 5.5 7.2 6.4 7.5 7.4 6.8	<b>1978</b> 8.0 6.0 6.8 7.4 7.6 7.4 6.3 7.7	<b>1979</b> 7.1 8.6 6.8 8.4 7.6 8.9 7.2 7.6	1980 6.1 [6.6] NA 5.9 7.6 6.3 6.0 8.2	
Austria Belgium Denmark Finland Greece Ireland Italy Portugal Spain	<b>1966</b> 6.7 7.9 8.5 7.5 6.7 6.6 6.6 6.5 7.6	<b>1967</b> 5.7 5.0 6.5 5.6 6.1 6.8 7.0 6.2 6.6	<b>1968</b> 7.4 5.8 7.7 6.2 8.6 6.5 7.1 6.2 7.8	<b>1969</b> 6.3 6.6 6.7 7.1 6.5 6.0 6.9 6.3 7.1	<b>1970</b> 9.1 6.6 5.9 6.5 6.5 6.5 6.8 5.7 6.5	<b>1971</b> 5.6 9.0 6.8 6.8 7.6 6.2 7.6 6.4 6.4	<b>1972</b> 6.8 7.3 5.7 5.9 6.3 8.3 7.0 6.1 7.4	<b>1973</b> 7.3 7.0 7.1 6.9 6.8 8.7 6.7 6.7 7.5	<b>1974</b> 6.5 8.7 7.9 6.5 7.8 5.9 6.6 6.8 7.3	<b>1975</b> 8.7 6.1 5.9 7.9 7.0 9.1 6.6 7.6 8.6	<b>1976</b> 6.0 10.1 7.8 6.2 6.2 7.6 6.4 7.5 6.7	<b>1977</b> 7.1 6.0 5.5 7.2 6.4 7.5 7.4 6.8 7.3	<b>1978</b> 8.0 6.0 6.8 7.4 7.6 7.4 6.3 7.7 8.1	<b>1979</b> 7.1 8.6 6.8 8.4 7.6 8.9 7.2 7.6 7.4	1980 6.1 [6.6] NA 5.9 7.6 6.3 6.0 8.2 6.9	
Austria Belgium Denmark Finland Greece Ireland Italy Portugal Spain Sweden	<b>1966</b> 6.7 7.9 8.5 7.5 6.7 6.6 6.6 6.5 7.6 6.9	<b>1967</b> 5.7 5.0 6.5 5.6 6.1 6.8 7.0 6.2 6.6 7.7	<b>1968</b> 7.4 5.8 7.7 6.2 8.6 6.5 7.1 6.2 7.8 7.5	<b>1969</b> 6.3 6.6 6.7 7.1 6.5 6.0 6.9 6.3 7.1 7.2	<b>1970</b> 9.1 6.6 5.9 6.5 6.5 6.5 6.8 5.7 6.5 7.0	<b>1971</b> 5.6 9.0 6.8 6.8 7.6 6.2 7.6 6.4 6.4 6.4 7.5	<b>1972</b> 6.8 7.3 5.7 5.9 6.3 8.3 7.0 6.1 7.4 6.8	<b>1973</b> 7.3 7.0 7.1 6.9 6.8 8.7 6.7 6.7 7.5 6.7	<b>1974</b> 6.5 8.7 7.9 6.5 7.8 5.9 6.6 6.8 7.3 6.1	<b>1975</b> 8.7 6.1 5.9 7.9 7.0 9.1 6.6 7.6 8.6 6.6	<b>1976</b> 6.0 10.1 7.8 6.2 6.2 7.6 6.4 7.5 6.7 7.6	<b>1977</b> 7.1 6.0 5.5 7.2 6.4 7.5 7.4 6.8 7.3 6.5	<b>1978</b> 8.0 6.0 6.8 7.4 7.6 7.4 6.3 7.7 8.1 6.8	<b>1979</b> 7.1 8.6 6.8 8.4 7.6 8.9 7.2 7.6 7.6 7.4 [7.5]	<b>1980</b> 6.1 [6.6] NA 5.9 7.6 6.3 6.0 8.2 6.9 	

Table 5A. Standard deviation of heights by year of birth, men, centimeters

Source: See Table 1.

Note: NA = Not publishable (number of observations below 20). The standard deviation of height for the Danish cohort of 1980 (men and women altogether) is 6.1. Means in brackets correspond to 20-49 observations.

	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Austria	5.0	4.9	7.1	5.1	4.3	5.2	5.6	6.7	4.7	6.4	5.1	5.2	6.2	5.5	4.1	4.3
Belgium	5.7	8.2	6.6	5.8	5.9	5.8	6.0	5.5	6.0	5.9	6.0	6.6	6.6	6.5	5.8	5.9
Denmark	5.7	5.3	5.5	5.0	6.0	5.8	6.1	5.4	5.1	6.0	5.8	5.9	6.3	4.4	5.6	6.0
Finland	6.4	6.7	5.4	6.3	6.5	6.5	5.0	5.7	6.5	6.9	6.6	6.3	5.3	5.4	5.9	7.2
Greece	5.6	5.2	5.0	5.2	6.1	5.3	5.0	5.8	5.6	5.4	5.7	6.2	5.0	5.3	5.1	4.9
Ireland	6.7	6.6	6.3	6.6	5.7	6.7	6.0	6.1	7.3	6.6	5.2	7.4	7.0	5.4	7.2	7.9
Italy	6.6	6.9	5.6	5.8	6.6	6.8	5.8	5.6	6.0	5.7	5.8	6.1	5.5	5.9	6.3	5.6
Portugal	5.9	8.7	5.1	5.6	5.7	5.6	5.3	7.7	5.3	5.1	5.9	5.0	5.7	6.0	5.6	5.3
Spain	5.6	6.2	5.7	5.8	6.0	5.5	5.7	6.4	5.7	5.8	5.8	6.4	7.0	5.2	6.4	6.1
Sweden	5.6	6.7	5.8	5.3	6.2	6.0	6.8	6.8	5.2	6.5	6.7	6.5	6.4	6.2	5.7	5.7
	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	
Austria	<b>1966</b> 5.2	<b>1967</b> 5.7	<b>1968</b> 5.6	<b>1969</b> 6.3	<b>1970</b> 12.3	<b>1971</b> 5.5	<b>1972</b> 5.8	<b>1973</b> 5.4	<b>1974</b> 5.0	<b>1975</b> 6.3	<b>1976</b> 4.9	<b>1977</b> 5.8	<b>1978</b> 4.9	<b>1979</b> 4.6	<b>1980</b> 5.6	
Austria Belgium	<b>1966</b> 5.2 7.2	<b>1967</b> 5.7 6.4	<b>1968</b> 5.6 5.8	<b>1969</b> 6.3 5.2	<b>1970</b> 12.3 6.9	<b>1971</b> 5.5 5.2	<b>1972</b> 5.8 5.7	<b>1973</b> 5.4 9.3	<b>1974</b> 5.0 6.3	<b>1975</b> 6.3 5.5	<b>1976</b> 4.9 6.8	<b>1977</b> 5.8 6.3	<b>1978</b> 4.9 6.7	<b>1979</b> 4.6 5.7	<b>1980</b> 5.6 [5.3]	
Austria Belgium Denmark	<b>1966</b> 5.2 7.2 6.8	<b>1967</b> 5.7 6.4 6.6	<b>1968</b> 5.6 5.8 7.0	<b>1969</b> 6.3 5.2 7.1	<b>1970</b> 12.3 6.9 6.8	<b>1971</b> 5.5 5.2 5.5	<b>1972</b> 5.8 5.7 5.5	<b>1973</b> 5.4 9.3 5.0	<b>1974</b> 5.0 6.3 5.5	<b>1975</b> 6.3 5.5 5.5	<b>1976</b> 4.9 6.8 4.3	<b>1977</b> 5.8 6.3 5.6	<b>1978</b> 4.9 6.7 7.4	<b>1979</b> 4.6 5.7 4.3	<b>1980</b> 5.6 [5.3] [7.4]	
Austria Belgium Denmark Finland	<b>1966</b> 5.2 7.2 6.8 5.8	<b>1967</b> 5.7 6.4 6.6 6.7	<b>1968</b> 5.6 5.8 7.0 6.2	<b>1969</b> 6.3 5.2 7.1 7.6	<b>1970</b> 12.3 6.9 6.8 6.2	<b>1971</b> 5.5 5.2 5.5 5.9	<b>1972</b> 5.8 5.7 5.5 4.1	<b>1973</b> 5.4 9.3 5.0 11.7	<b>1974</b> 5.0 6.3 5.5 6.1	<b>1975</b> 6.3 5.5 5.5 4.3	<b>1976</b> 4.9 6.8 4.3 6.0	<b>1977</b> 5.8 6.3 5.6 6.3	<b>1978</b> 4.9 6.7 7.4 5.3	<b>1979</b> 4.6 5.7 4.3 6.7	<b>1980</b> 5.6 [5.3] [7.4] 6.5	
Austria Belgium Denmark Finland Greece	<b>1966</b> 5.2 7.2 6.8 5.8 5.4	<b>1967</b> 5.7 6.4 6.6 6.7 4.9	<b>1968</b> 5.6 5.8 7.0 6.2 6.2	<b>1969</b> 6.3 5.2 7.1 7.6 5.6	<b>1970</b> 12.3 6.9 6.8 6.2 5.1	<b>1971</b> 5.5 5.2 5.5 5.9 6.2	<b>1972</b> 5.8 5.7 5.5 4.1 5.4	<b>1973</b> 5.4 9.3 5.0 11.7 6.1	<b>1974</b> 5.0 6.3 5.5 6.1 6.6	<b>1975</b> 6.3 5.5 5.5 4.3 5.3	<b>1976</b> 4.9 6.8 4.3 6.0 5.1	<b>1977</b> 5.8 6.3 5.6 6.3 5.9	<b>1978</b> 4.9 6.7 7.4 5.3 4.6	<b>1979</b> 4.6 5.7 4.3 6.7 6.7	<b>1980</b> 5.6 [5.3] [7.4] 6.5 7.3	
Austria Belgium Denmark Finland Greece Ireland	<b>1966</b> 5.2 7.2 6.8 5.8 5.4 6.0	<b>1967</b> 5.7 6.4 6.6 6.7 4.9 5.2	<b>1968</b> 5.6 5.8 7.0 6.2 6.2 6.3	<b>1969</b> 6.3 5.2 7.1 7.6 5.6 6.2	<b>1970</b> 12.3 6.9 6.8 6.2 5.1 6.2	<b>1971</b> 5.5 5.2 5.5 5.9 6.2 6.1	<b>1972</b> 5.8 5.7 5.5 4.1 5.4 6.9	<b>1973</b> 5.4 9.3 5.0 11.7 6.1 5.9	<b>1974</b> 5.0 6.3 5.5 6.1 6.6 6.7	<b>1975</b> 6.3 5.5 5.5 4.3 5.3 6.8	<b>1976</b> 4.9 6.8 4.3 6.0 5.1 6.1	<b>1977</b> 5.8 6.3 5.6 6.3 5.9 6.2	<b>1978</b> 4.9 6.7 7.4 5.3 4.6 7.5	<b>1979</b> 4.6 5.7 4.3 6.7 6.7 6.0	<b>1980</b> 5.6 [5.3] [7.4] 6.5 7.3 [7.6]	
Austria Belgium Denmark Finland Greece Ireland Italy	<b>1966</b> 5.2 7.2 6.8 5.8 5.4 6.0 6.5	<b>1967</b> 5.7 6.4 6.6 6.7 4.9 5.2 6.7	<b>1968</b> 5.6 5.8 7.0 6.2 6.2 6.3 5.1	<b>1969</b> 6.3 5.2 7.1 7.6 5.6 6.2 5.8	<b>1970</b> 12.3 6.9 6.8 6.2 5.1 6.2 6.2	<b>1971</b> 5.5 5.2 5.5 5.9 6.2 6.1 6.0	<b>1972</b> 5.8 5.7 5.5 4.1 5.4 6.9 6.0	<b>1973</b> 5.4 9.3 5.0 11.7 6.1 5.9 5.5	<b>1974</b> 5.0 6.3 5.5 6.1 6.6 6.7 5.4	<b>1975</b> 6.3 5.5 5.5 4.3 5.3 6.8 6.1	<b>1976</b> 4.9 6.8 4.3 6.0 5.1 6.1 6.0	<b>1977</b> 5.8 6.3 5.6 6.3 5.9 6.2 6.4	<b>1978</b> 4.9 6.7 7.4 5.3 4.6 7.5 6.3	<b>1979</b> 4.6 5.7 4.3 6.7 6.7 6.0 6.1	<b>1980</b> 5.6 [5.3] [7.4] 6.5 7.3 [7.6] 6.1	
Austria Belgium Denmark Finland Greece Ireland Italy Portugal	<b>1966</b> 5.2 7.2 6.8 5.8 5.4 6.0 6.5 5.8	<b>1967</b> 5.7 6.4 6.6 6.7 4.9 5.2 6.7 4.3	<b>1968</b> 5.6 5.8 7.0 6.2 6.2 6.3 5.1 5.4	<b>1969</b> 6.3 5.2 7.1 7.6 5.6 6.2 5.8 6.2	<b>1970</b> 12.3 6.9 6.8 6.2 5.1 6.2 6.2 6.1	<b>1971</b> 5.5 5.2 5.5 5.9 6.2 6.1 6.0 4.7	<b>1972</b> 5.8 5.7 5.5 4.1 5.4 6.9 6.0 6.0	<b>1973</b> 5.4 9.3 5.0 11.7 6.1 5.9 5.5 6.7	<b>1974</b> 5.0 6.3 5.5 6.1 6.6 6.7 5.4 6.9	<b>1975</b> 6.3 5.5 5.5 4.3 5.3 6.8 6.1 7.0	<b>1976</b> 4.9 6.8 4.3 6.0 5.1 6.1 6.0 6.4	<b>1977</b> 5.8 6.3 5.6 6.3 5.9 6.2 6.4 5.9	<b>1978</b> 4.9 6.7 7.4 5.3 4.6 7.5 6.3 5.9	<b>1979</b> 4.6 5.7 4.3 6.7 6.7 6.0 6.1 5.8	<b>1980</b> 5.6 [5.3] [7.4] 6.5 7.3 [7.6] 6.1 5.3	
Austria Belgium Denmark Finland Greece Ireland Italy Portugal Spain	<b>1966</b> 5.2 7.2 6.8 5.8 5.4 6.0 6.5 5.8 5.5	<b>1967</b> 5.7 6.4 6.6 6.7 4.9 5.2 6.7 4.3 6.2	<b>1968</b> 5.6 5.8 7.0 6.2 6.2 6.3 5.1 5.4 5.4	<b>1969</b> 6.3 5.2 7.1 7.6 5.6 6.2 5.8 6.2 7.0	<b>1970</b> 12.3 6.9 6.8 6.2 5.1 6.2 6.2 6.2 6.1 5.3	<b>1971</b> 5.5 5.2 5.5 5.9 6.2 6.1 6.0 4.7 6.1	<b>1972</b> 5.8 5.7 5.5 4.1 5.4 6.9 6.0 6.0 6.2	<b>1973</b> 5.4 9.3 5.0 11.7 6.1 5.9 5.5 6.7 6.5	<b>1974</b> 5.0 6.3 5.5 6.1 6.6 6.7 5.4 6.9 5.4	<b>1975</b> 6.3 5.5 5.5 4.3 5.3 6.8 6.1 7.0 6.9	<b>1976</b> 4.9 6.8 4.3 6.0 5.1 6.1 6.1 6.0 6.4 5.4	<b>1977</b> 5.8 6.3 5.6 6.3 5.9 6.2 6.4 5.9 7.2	<b>1978</b> 4.9 6.7 7.4 5.3 4.6 7.5 6.3 5.9 5.9	<b>1979</b> 4.6 5.7 4.3 6.7 6.7 6.0 6.1 5.8 6.6	<b>1980</b> 5.6 [5.3] [7.4] 6.5 7.3 [7.6] 6.1 5.3 6.2	

Table 6A. Standard deviation of heights by year of birth, women, centimeters

Source: See Table 1.

Note: See Table 5A.

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### (<u>http://epunet.essex.ac.uk</u>).

<sup>2</sup> Evidence in both Thomas and Frankenberg (2002) and in Ezzati et al. (2006) suggests that older people do not update their height, reporting measurement taken from early adulthood.

<sup>3</sup> Six-year cohorts are reported for 1950-1955.