# Home Hours in the United States and Europe 

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#### Abstract

Using data from the Multinational Time Use Study, this paper documents the trends and levels of time allocation, with a focus on home hours, for a relatively large set of industrialized countries during the past 50 years. Three patterns emerge. First, home hours have decreased in both the United States and European countries. Second, female time allocation contributes more to the cross-country difference in both the trends and the levels of market hours and home hours per person. Third, time allocations between the United States and Europe are more similar for the prime-age group than for the young and old groups.


JEL classification: J22, D13
Key words: time use, home hours, sex, age

[^0]
## 1 Introduction

Time allocation for different activities is an important decision. As a subcategory of time allocation, market work has been studied extensively in the literature. In contrast, studies on home work are limited due to a lack of data availability until recently. ${ }^{1}$ Because of the natural 24-hour constraint, the time allocations for market and home activities are jointly determined. Hence, the allocation of time for home activities not only is interesting in itself but also may be important for facilitating our understanding of the market labor supply. In fact, one set of the literature has demonstrated that the inclusion of home production improves the performance of standard models in accounting for the business cycle fluctuation. ${ }^{2,3}$ Another set of the literature finds that home production is important for accounting for the market labor supply difference between the U.S. and Europe. ${ }^{4}$ In light of the importance of home work, this paper examines the similarity and differences in the trends and levels of home hours between the U.S. and European countries and furthermore identifies the demographic groups that drive the aggregate data.

We construct measures of home work, market work, and the combination of the two for each decade between the 1960s and the 2000s from the Multinational Time Use Study (MTUS). We find that the core home hours (i.e., household work, such as cooking, cleaning, and laundry) have declined in both the U.S. and European countries since the 1960s. Although the time spent on shopping and child care has generally increased for the countries studied, the increase is not sufficiently large, and home hours with shopping and child care

[^1]included thus still exhibit declining trends in both the U.S. and European countries. We also find that Americans spent the least amount of time in core home work ${ }^{5}$ but spent more time on shopping than other nationals in all five decades.

Cross-country differences in time allocation are driven largely by the time-allocation decision of females. This is established from the following observations. First, we observe that the cross-country dispersion in female market hours is much larger than the dispersion in male market hours in each decade. Second, the declining trend in home hours is driven entirely by the female series because the home hours for males have increased in all countries. Third, the countries with larger declines in home hours have a larger decline in female home hours, but there is no clear cross-country correlation between the decline in home hours per person and home hours per male. Fourth, the cross-country differences in home hours are larger for women than for men in the 2000s.

We also examine the time allocations by age group. Home hours per person have declined across all age groups in almost all countries. Men of all age groups have increased their home hours, and women of all age groups have decreased their home hours. Hence, the female series also drives the aggregate decline for each age group. Furthermore, we find that the time allocation of all three categories, namely home work, market work, and combined work, are more similar for the prime-age group than for the young and old groups between the U.S. and Europe. We also find that across countries, decades, and sexes, the young spent less time and the old spent more time at home than prime-age individuals. Lastly, combined work has declined for all age groups of both sexes, although the lowest and highest decreases were found for the prime-age group and the young group, respectively.

This paper is related to the literature on the documentation of time allocations. Ramey and Francis (2009) study time allocation in the United States over the period 1900-2000 and find that leisure has increased for individuals aged 14 and up. Ramey (2009) constructs

[^2]measures of home hours in the United States and finds that the total home hours declined slightly over the period of 1900 to 2000 with the greatest decline occurring from 1965 onward. Aguiar and Hurst (2007) construct measures of time allocation over the period 1965-2000 for the United States and focus on how leisure has changed within the demographic groups. These three papers focus on time allocations for the U.S. Several other studies examine time allocation in multiple countries. Freeman et al. (2005) study time allocation for the U.S. and a few European countries in the early 1990s. Ragan (2013) and Ngai and Pissarides (2011) study more countries, but their analysis is only for the 2000s. Burda, Hamermesh and Weil (2008) examines the combination of home and market work by males and females for a few countries in the 2000s. These four papers, which study time allocation in both the U.S. and Europe, focus on recent periods and not a longer horizon and therefore have no trend implications.

Following Aguiar and Hurst (2007), Gimenez-Nadal and Sevilla (2012) recently constructs data for several industrialized countries other than the United States, but their focus is primarily on how leisure changes for different demographic groups and what types of leisure activities have changed across the demographic groups. In contrast, we focus on documenting the similarity and differences in the trends and levels of home production hours between the U.S. and European countries. We also find that the time allocation of females and the non-prime age group are important drivers of the time allocation per person. A comparison of our estimates and methodology with those constructed by Aguiar and Hurst (2007) and Gimenez-Nadal and Sevilla (2012) can be viewed in the web appendix.

This paper is also related to the literature that attempts to account for the difference in market hours between the U.S. and Europe using models with home production (Ragan (2013), Rogerson (2008), Ngai and Pissarides (2008), Ngai and Pissarides (2011), and McDaniel (2011)). In principle, a successful model should generate predictions for both market and home hours consistent with the data. Our constructed home hours are useful in this re-
gard because they provide the empirical counterparts that can be used to build and evaluate the theoretical models.

The rest of the paper is organized as follows. Section 2 presents the data. Section 3 discusses the constructed market hours, home hours, and combined hours. Section 4 concludes.

## 2 Data

### 2.1 Data and Methodology

Our source for the time-use data is the Multinational Time Use Study (MTUS) provided by the Centre for Time Use Research Gershuny et al. (2010). The MTUS is an ongoing project with the intent of harmonizing the time-use datasets collected by different statistical agencies in different countries. Because the project is ongoing, there are different releases of the time-use data. When possible, we use the most recent release. ${ }^{6}$ Table 1 presents the countries and years studied with the number of observations. More details are available for each survey in the web appendix.

The MTUS dataset contains diary entries in which the respondents report the time spent in standard activity categories. Each entry also contains information on the date, day of the week, and demographic characteristics of the respondent. For surveys in which the diarist records activities on multiple days, each diary entry is treated as unique. ${ }^{7}$ We divide the data by age group (15-19, 20-24, 25-34, 35-44, 45-54, 55-59, and 60-64), sex, and employment status (active/inactive). We then calculate the average hours per week spent in each activity for each demographic group. ${ }^{8}$

[^3]Because the surveyed population may not reflect the composition of the actual population, we construct the demographic weights and calculate a weighted average of the time spent in each activity for the population aged 15-64 years. We construct the demographic weights from $O E C D$ Labor Force Statistics (when available, see country notes). ${ }^{9}$ We also weight the diary observations such that the days of the week are equally represented across the survey.

### 2.2 Activity Categories

To harmonize the time-use surveys, the activities included in each individual survey are grouped into standard categories common to all countries and years. Table 2 reports the activity classifications available in the 41 activity topology. ${ }^{10}$ We construct the measures of market work and home work from the available activity categories. We follow the classification by Aguiar and Hurst (2007) as closely as possible. We separate the market work into "core" and "total" categories. Core market hours includes work for pay at a primary job with paid meals and breaks included, work for pay at a second job, and work for pay at home. ${ }^{11}$ The total market hours are the sum of core market hours and time spent commuting to and from work.

We define four measures for home work. The narrowest definition of home work is the als aged 20-59 years. For the results reported in the main text, we assume that the members of the 15-19 age group spend the same number of weekly hours engaged in each activity as their demographic counterparts in the 20-24 age group. We use the same procedure for those individuals aged $60-64$ but use the $55-59$ as the reference age group. We make a similar assumption if only part of an age group is available. In the web appendix, we examine two alternative scenarios to construct the estimates. The results are close to the reported ones.
${ }^{9}$ Although it may be ideal to construct more detailed demographic groups, a consistent data source for constructing weights is not available. Each survey includes a suggested survey weight, but we choose not to use these weights because some surveys provide weights only for age groups and others for finer categories.
${ }^{10}$ MTUS release 5.8 contains two sets of activity categories: a set of 41 activities and a set of 69 more narrowly defined activities. Earlier versions of the MTUS datasets include only the 41 activity version; thus, we must use the less fine, and therefore less desirable, set of 41 activity codes in our study. However, we are able to use the 69 activity topology when comparing our results for the United States with those of Aguiar and Hurst. We then demonstrate how the estimates change for the United States when we switch to using the 41 activity topology.
${ }^{11}$ The MTUS includes the time spent engaged in a job search at home in the work-from-home category. The entire work-from-home category represents a negligible share of the core market work.
core home hours, which includes cooking and preparing meals for consumption at home, doing dishes, cleaning, laundry, and mending. The second category for home work is "core home+shopping." In addition to core home hours, this category includes the time spent on purchasing market-produced goods and services as well as the time spent on running errands (e.g., going to the post office, picking up the dry cleaning, etc.) and the time spent on traveling to and from child care-related activities. This type of traveling is separated from leisure-related travel. The third category is the total home hours, which includes core home hours, shopping, gardening, and "odd jobs." Odd jobs includes activities such as home and vehicle repair and pet care. ${ }^{12}$ The fourth category is "total+childcare," which includes the total home hours and child care. Child care is the time spent on the care of children and infants and the time spent obtaining their medical care. ${ }^{13}$

Based on the measures for the market and home hours, we also report four categories of combined work, which is defined as the sum of the market and home hours. The core combined hours are the sum of the core market hours and the core home hours. "Core combined hours+shopping" includes shopping in addition to the core combined hours. The total combined hours are the sum of the total market hours and the total home hours. "Total combined hours+childcare" includes child care in addition to the total combined hours. The residual of "total combined hours+childcare" is considered leisure. Aguiar and Hurst (2007) focus on the evolution of leisure over time in the United States, and Gimenez-Nadal and Sevilla (2012) focus on the evolution of leisure across countries; thus, we do not analyze leisure or how leisure time is spent in this paper.

[^4]
## 3 Time Allocation

This section discusses the constructed data. For most countries, there is only one survey (if any) in a given decade. If there is more than one survey in a decade (e.g., the Netherlands 1980 and 1985), the results are reported as the average of the two. The latest date that the surveys are available for France is 1998 . The 1998 averages are reported under " 2000 " in the tables. We also report the changes in hours since the 1960s and 1970s.

### 3.1 Market Hours

### 3.1.1 Market Hours per Person

The cross-country differences in market hours per adult have been well documented using aggregate data. ${ }^{14}$. Table 3 and Table 4 display our constructed data for the core and total market hours per person. These observations are broadly consistent with the observations from the aggregate data. Specifically, the market hours in France and Germany were larger than those for the U.S. in the 1960s and have decreased sharply since then. In contrast, the market hours in the U.S. have not changed much. Because of the different trend movement, the 2000s market hours per adult in Europe are lower than those in the U.S.

The cross-country differences in market hours are smaller when using the MTUS estimates compared with those constructed from the GGDC data. The GGDC estimates are adjusted for paid vacations, holidays, and sick time, whereas the time-use data are not adjusted. Because Europeans enjoy more paid time off, our data necessarily underestimate the differences in market hours between the U.S. and Europe. In the web appendix, we provide comparisons between our estimates and the estimates from the GGDC data.

[^5]
### 3.1.2 Market Hours by Sex

Tables 3 and 4 also report market hours by sex. Consistent with the studies for the U.S. by McGrattan and Rogerson (2004), Ramey and Francis (2009), and Aguiar and Hurst (2007) and studies for other countries by Gimenez-Nadal and Sevilla (2012), the market hours per male have fallen and the market hours per female have risen in most of the countries in our sample with the exception of the male series in the Netherlands and the female series in Germany.

In the 1960s, both men and women in France and Germany worked no less in the market than their counterparts in the U.S. In contrast, in the 2000s, both men and women worked more in the U.S. than in European countries. This observation holds for both of the measures of market hours. More importantly, the cross-country differences in both core and total market hours are smaller for men than for women. Specifically, the cross-country dispersion, measured by the coefficient of variation, ${ }^{15}$ is larger for female market hours than for male market hours in every decade. The average for the core (total) market hours over the five decades is $0.09(0.07)$ for men and $0.2(0.19)$ for women. ${ }^{16}$ The larger cross-country difference in market hours per female implies that the female series contributes more to the cross-country variations in market hours per person.

### 3.1.3 Market Hours by Age

We next study the market hours across age groups. Tables 5 and 6 display the changes in market hours per person by age and sex. Both the core and total market hours per person have declined for both the young and old groups in all countries except the Netherlands. Men of all ages have generally decreased their market hours. Although women of prime age

[^6]have increased their market hours in all countries, the young and old women have increased their market hours in some countries but decreased their market hours in others.

Tables 7 and 8 report the levels of market hours by age. Although prime-age men work the highest number of hours in the market in all of the countries in all five decades, prime-age women work the highest number of hours in all of the countries in the 2000s but fewer hours than the young group in Europe in earlier periods. More importantly, the market hours for both the U.S. and Europe are more alike for the prime-age individuals than for the young and old individuals in every decade. In particular, the low market hours worked by the old Europeans contributes a great deal to the low market hours per person in the European countries in the 2000s. Relative to the United States, the old work approximately $90 \%$ as much (2.2 hours less) in Norway, $71 \%$ ( 6.5 hours less) as much in the United Kingdom, $55 \%$ (10.2 hours less) as much in Italy and the Netherlands, and $45 \%$ as much (12.1 hours less) in Germany and France as measured by the core market hours. In contrast, the difference is smaller for prime-age individuals. Relative to the United States, prime-age individuals work approximately $93 \%$ as much ( 2.2 hours less) in the U.K. and France, $89 \%$ (3.4 hours less) as much in Norway and Italy, $86 \%$ (4.2 hours less) as much in the Netherlands, and $79 \%$ ( 6.5 hours less) as much in Germany. Young Europeans work less than young Americans in some counties but more in others.

### 3.2 Home Hours

### 3.2.1 Home Hours per Person

This section examines the estimated home hours per person. Table 9 displays the estimates for core home hours per adult. We start the analysis with the observation that core home hours have declined in all countries over this period of time. The core home hours per person
in the United States decreased by 5.3 hours between the 1960s and the 2000s. ${ }^{17}$ Core home hours also declined in Europe. The average European decline is 4 hours from the 1960s and 2.8 hours from the 1970s. In particular, the decline from the 1970s onward is larger in Norway and France than in the United States.

It is also worth noting the differences in the level of core home hours across countries. Over the period studied, Americans generally spend less time in core home activities than Europeans. This is consistent with the studies by Freeman et al. (2005), Ragan (2013), and Ngai and Pissarides (2011). The former study finds that home hours are higher in Germany than in the U.S. in the early 1990s. The latter two find that home hours are greater in the European countries than in the U.S. in the 2000s. All of the European countries in our dataset have higher core home hours than the United States in the 2000s. Core home hours are $72 \%$ (5.9 hours) higher in Italy, 27\% (2.2 hours) higher in Germany, 12\% (1 hour) higher in the Netherlands, and approximately $40 \%$ (3 hours) higher in other countries. The core market hours are lower in Europe in the same period. This implies a negative cross-country correlation between market hours and home hours in the 2000s, and this negative correlation persists in every other decade except the 1960s.

Table 10 presents the estimates for the weekly shopping hours. The shopping time has increased in most of the countries over the sample period (Italy and France are exceptions.). Americans spend more time on shopping than other nationals in every decade, and this partially offsets the low core home hours in the United States. In fact, shopping time is negatively correlated with core home hours in every decade, and the correlation coefficients are $-0.46,-0.43,-0.86,-0.90$, and -0.72 for each decade from the 1960 s to the 2000 s , respectively. As a result, the home hours are not always the lowest in the United States for all three other measures.

The estimates for "core home+shopping" are reported in Table 11. Consistent with the

[^7]core home hours, this measure also delivers a decline in the home hours in all countries except the UK. Because "odd jobs" is a small category, the estimates for total home hours preserve the properties of "core home+shopping", as displayed in Table 12. Table 13 reports the average hours per week of child care-related activities. Table 14 displays the sum of child care hours and the total home hours. The time spent on child care has increased by a small amount over the sample period, and the decreasing trends in total home hours persist when child care is included.

### 3.2.2 Home Hours by Sex

Table 9 also reports the core home hours per male and per female. The table reveals that women in all countries reduced their core home hours, and men in almost all of the countries increased their core home hours. ${ }^{18}$ Hence, the gap between male and female home hours has narrowed from an average of 23 hours in the 1960s to an average of 11 hours in the 2000s, with women working more at home in all countries and all years. Although shopping (Table 10) and child care (Table 13) have increased in almost all of the countries for both sexes, the increase for women is smaller than the reduction in core home hours. Hence, the increasing trend for men and the decreasing trend for women persist for the other three measures of home hours. Thus, the decline in home hours per adult, as indicated by all four measures, is driven entirely by the female series in all of the countries studied.

There is no clear cross-country correlation between the changes in the core home hours per male and the core home hours per person. In contrast, the countries with a larger decline in core home hours generally display a larger decline in core home hours per female. Specifically, in the countries with a more-than-3-hour decline in core home hours per adult (France, Norway, and U.S.) between the 1970s and 2000s, the average decline in core female home hours is 10 hours compared to the average decline in female home hours of 5.2 hours

[^8]in the other countries. This observation also holds for the other three measures of home hours. The observation thus suggests that the trend difference in home hours per female has a larger impact on the trend difference in home hours per adult.

We next explore the level differences in home hours. Although the core home hours per male in the U.S. is in the middle among the other countries for all years, the core home hours per female in the U.S. are always the lowest. As illustrated in Table 10, American men and women spent more time shopping in every decade than their European counterparts, which leads to higher shopping hours per person in the U.S. As a result, American women do not always work at home the least for all three other measures.

With respect to the magnitude in the 2000s, men in Italy and France work less at home than men in the U.S. and men in other European countries all work more at home than American men. The core home hours per male range from $73 \%$ of the U.S. level (1.2 hours less) in Italy to 168\% (3 hours more) in Norway, and the European average is 16\% (0.7 hours) greater than the U.S level. The cross-country difference in core home hours per female is more pronounced than the difference in the male series. The core home hours per female range from $113 \%$ of the U.S. level (1.6 hours more) in the Netherlands to 210\% (13.1 hours more) in Italy, and the European average is $46 \%$ ( 5.5 hours) greater than the U.S. level. This finding, together with the higher core home hours per adult in European countries, demonstrates that the difference in home hours per female also contributes more to the difference in home hours per adult in the 2000s.

### 3.2.3 Home Hours by Age

Table 15 displays the change in core home hours by age group. The core home hours per adult decline across all age groups for almost all of the countries. Men of all age groups increase their core home hours (France is an exception), and the largest and smallest increases were generally obtained for older and young men, respectively. In contrast, women of all age
groups have decreased their core home hours, with the largest decrease for prime-age women in most of the countries. The uniform increasing trend for men and the uniform decreasing trend for women in home hours across age groups also persist for all three other measures. Hence, the female series also drives the aggregate decline for each age group.

Tables 19 through 22 report the average number of hours per week in home production by the $15-24,25-54$, and $55-64$ age groups. Across the countries, decades, and sexes, the young spend less time and the old generally spend more time in home production than the prime-age individuals. More importantly, the differences in the home hours between the U.S. and Europe are higher for the old than for other age groups. For example, as measured by the core home hours in the 2000s, average Europeans aged $15-24$ work $14 \%$ ( 0.4 hours) more at home, average Europeans aged $25-54$ work $38 \%$ ( 3.5 hours) more at home, and average Europeans aged $55-64$ work $64 \%$ ( 6.2 hours) more at home than the corresponding age groups in the U.S. The larger difference in the home hours for the old group between the U.S. and Europe also holds for all of the other three measures.

In summary, this section establishes the common decreasing trend in home hours for the countries studied. We demonstrate that the cross-country difference in the female market and home hours contributes more to the differences in both trends and levels of time allocation per person. ${ }^{19}$ We also find that the differences in the time allocations are more pronounced between the U.S. and Europe for the old-age groups than for the prime-age group.

[^9]
### 3.3 Combined Work

### 3.3.1 Combined Work per Person

Tables 23, 24, 25, and 26 report four measures of combined work. All four measures have generally declined across countries. ${ }^{20}$ Because the time spent on shopping and child care has generally increased, the declines in the last three measures are less pronounced than the declines in the core combined work.

The data in the tables for the market and home hours provide insights into the sources of the change in combined work. As indicated, there is much cross-country variation in the contribution of the trend in the market and home work to the trend in the combined work. As is true for all four measures in Germany and Italy, the decline in combined work is driven largely by the decline in market work; in France, although the decline in combined work relative to the 1960s is roughly split half and half, the decline relative to the 1970s is largely driven by the decline in home work; in the United States, Norway, and the United Kingdom, the changes in the combined work are driven primarily by the change in home work; and in the Netherlands, the increase in combined work is driven by the increase in market work, whereas a decline in home work is observed.

### 3.4 Combined Work by Sex

In general, the increase in male home hours does not fully compensate for the decline in male market hours, and the increase in the female market hours does not fully compensate for the decline in female home hours. As a result, both the male and female combined work hours decline generally for all four measures. This suggests that, although both men and women reallocate their time from market to home and vice versa, they are also allocating more time to other activities, mainly leisure.

[^10]The U.S. ranks in the middle of European countries in terms of core combined hours per person in the 2000s but ranks the highest for all other three measures. This is because both American men and women spend more time on shopping and child care than their European counterparts. Despite the large difference in market hours and home hours between the two sexes, the men and women in each country have a similar number of hours of combined work for most of the available surveys. This is consistent with the finding by Burda, Hamermesh and Weil (2008) for the 2000s.

### 3.5 Combined Work by Age

Tables 27 through 30 report the changes in the combined work by age. Combined work has declined for all age groups of both sexes for all four measures. Prime-age individuals of both sexes have the least decline in all countries, and young individuals have the largest decline in most of the cases.

Tables 31 through 26 report the levels of combined work by age. Prime-age men and women work the most, and young men and women work the least for all four measures in all countries and all decades. There is also less cross-country variation in the combined work for the prime-age group and more cross-country variation for the young-age group.

## 4 Conclusion

This paper constructed the market hours, home hours, and combined hours for a relatively large set of industrialized countries over the past fifty years. Two findings emerge from the data. First, the home hours of the various measures have decreased in both the United States and European countries over the past fifty years. Second, the time allocations of the female and non-prime age groups contribute more to the cross-country differences in all three categories of time allocation.

The existing theoretical works on the difference in time allocation between the U.S. and Europe have focused on the time allocation per person and the time allocation by sectors. This paper suggests that it is also of interest to include gender and/or age in the model and then use the model to explore the factors that can account for the cross-country differences in time allocation by demographic groups. We leave these questions for future research.

Table 1: MTUS Countries and Years

| Country | Years |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| France | $1966^{*}$ | $1974^{*}$ | 1998 |  |  |  |
| $N$ | 2,898 | 4,633 | 12,388 |  |  |  |
| Germany | $1965^{*}$ | 1991 | 2001 |  |  |  |
| $N$ | 2,137 | 21,792 | 27,318 |  |  |  |
| Italy | $1979^{*}$ | 1989 | 2002 |  |  |  |
| $N$ | 2,116 | 13,027 | 35,571 |  |  |  |
| Netherlands | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 |
| $N$ | 7,803 | 16,350 | 19,462 | 19,997 | 19,740 | 10,346 |
| Norway | 1971 | 1981 | 1990 | 2000 |  |  |
| $N$ | 5,467 | 3,966 | 5,266 | 6,271 |  |  |
| United Kingdom | 1974 | 1983 | 1987 | 1995 | 2000 |  |
| $N$ | 14,372 | 7,371 | 8,813 | 1,410 | 13,837 |  |
| United States | 1965 | 1975 | 1985 | 1992 | 2003 |  |
| $N$ | 1,948 | 1,949 | 2,539 | 6,556 | 38,511 |  |
| * 5.0 release, ages $20-59$ only |  |  |  |  |  |  |

Table 2: MTUS Activities

| Core market work | Leisure continued |
| :---: | :---: |
| AV 1 Paid work, primary job | AV 19 Active sports participation |
| AV 2 Paid work at home | AV 20 Passive sports participation |
| AV 3 Paid work, second job | AV 21 Walking |
| Total market work = core + | AV 22 Religious activities |
| AV 5 Travel to/from work | AV 23 Civic activities |
| Core non-market | AV 24 Cinema or theatre |
| AV 6 Cook, wash up | AV 25 Dances or parties |
| AV 7 Housework | AV 26 Social clubs |
| Shopping | AV 27 Pubs |
| AV 10 Shopping | AV 28 Restaurants |
| AV 12 Domestic travel | AV 29 Visit friends at their homes |
| Total non-market $=$ core + shopping + | AV 30 Listen to radio |
| AV 8 Odd jobs | AV 31 Watch television or video |
| AV 9 Gardening | AV 32 Listen to records, tapes, cds |
| Childcare | AV 33 Study, homework |
| AV 11 Childcare | AV 34 Read books |
| Leisure | AV 35 Read papers, magazines |
| AV 4 School, classes | AV 36 Relax |
| AV 13 Dress/personal care | AV 37 Conversation |
| AV 14 Consume personal services | AV 38 Entertain friends at home |
| AV 15 Meals and snacks at home | AV 39 Knit, sew |
| AV 16 Sleep | AV 40 Other leisure |
| AV 17 Free time travel | AV 41 Unclassified time |
| AV 18 Excursions |  |

Table 3: Core Market

| All persons | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | 29.2 | 24.6 |  |  | 22.9 | -6.3 | -1.7 |
| Germany | 31.4 |  |  | 25.9 | 19.7 | -11.7 |  |
| Italy |  | 23.9 | 22.9 |  | 22.0 |  | -1.9 |
| Netherlands |  | 16.9 | 15.5 | 17.2 | 23.3 |  | 6.4 |
| Norway |  | 24.2 | 24.9 | 23.7 | 25.1 |  | 0.9 |
| UK |  | 24.9 | 22.5 | 25.5 | 25.3 |  | 0.4 |
| USA | 28.6 | 26.5 | 26.4 | 27.9 | 27.2 | -1.4 | 0.7 |
|  |  |  |  |  |  |  |  |
| Men | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta$ | $60 s$ |
| $\Delta$ | $70 s$ |  |  |  |  |  |  |
| France | 40.9 | 34.5 |  |  | 28.3 | -12.6 | -6.2 |
| Germany | 44.4 |  |  | 34.1 | 25.6 | -18.8 |  |
| Italy |  | 34.7 | 32.2 |  | 30.4 |  | -4.3 |
| Netherlands |  | 26.1 | 24.3 | 25.4 | 31.0 |  | 4.9 |
| Norway |  | 35.8 | 32.2 | 30.2 | 30.7 |  | -5.1 |
| UK |  | 36.8 | 29.5 | 32.0 | 32.1 |  | -4.7 |
| USA | 41.8 | 36.6 | 33.1 | 33.4 | 32.6 | -9.2 | -4.0 |
|  |  |  |  |  |  |  |  |
| Women | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| France | 17.6 | 14.9 |  |  | 17.6 | 0.0 | 2.7 |
| Germany | 18.7 |  |  | 17.5 | 13.7 | -5.0 |  |
| Italy |  | 13.5 | 13.8 |  | 13.6 |  | 0.1 |
| Netherlands |  | 7.5 | 6.9 | 8.8 | 15.4 |  | 7.9 |
| Norway |  | 12.3 | 17.6 | 17.1 | 19.3 |  | 7.0 |
| UK |  | 13.2 | 15.7 | 19.2 | 18.6 |  | 5.4 |
| USA | 16.3 | 17.0 | 20.1 | 22.4 | 21.9 | 5.6 | 4.9 |

Table 4: Total Market

| All persons | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | 31.9 | 27.8 |  |  | 25.7 | -6.2 | -2.1 |
| Germany | 33.8 |  |  | 28.9 | 22.8 | -11.0 |  |
| Italy |  | 26.9 | 23.2 |  | 25.6 |  | -1.3 |
| Netherlands |  | 19.9 | 18.5 | 20.7 | 27.4 |  | 7.5 |
| Norway |  | 26.8 | 27.5 | 26.6 | 27.7 |  | 0.9 |
| UK |  | 28.3 | 25.4 | 28.3 | 28.9 |  | 0.6 |
| USA | 31.6 | 29.3 | 29.6 | 31.2 | 29.7 | -1.9 | 0.4 |
|  |  |  |  |  |  |  |  |
| Men | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| France | 44.8 | 39.1 |  |  | 31.7 | -13.1 | -7.4 |
| Germany | 47.7 |  |  | 37.8 | 29.5 | -18.2 |  |
| Italy |  | 39.1 | 32.8 |  | 35.1 |  | -4.0 |
| Netherlands |  | 30.8 | 28.6 | 30.4 | 36.4 |  | 5.6 |
| Norway |  | 39.4 | 35.4 | 33.6 | 33.8 |  | -5.6 |
| UK |  | 41.6 | 33.2 | 35.5 | 36.3 |  | -5.3 |
| USA | 46.3 | 40.7 | 37.2 | 37.5 | 35.8 | -10.5 | -4.9 |
|  |  |  |  |  |  |  |  |
| Women | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| France | 19.2 | 16.7 |  |  | 19.9 | 0.7 | 3.2 |
| Germany | 20.3 |  |  | 19.7 | 16.0 | -4.3 |  |
| Italy |  | 15.1 | 13.9 |  | 16.0 |  | 0.9 |
| Netherlands |  | 8.8 | 8.3 | 10.7 | 18.1 |  | 9.3 |
| Norway |  | 13.8 | 19.7 | 19.5 | 21.4 |  | 7.6 |
| UK |  | 15.3 | 17.9 | 21.3 | 21.6 |  | 6.3 |
| USA | 17.7 | 18.8 | 22.6 | 25.0 | 23.9 | 6.2 | 5.1 |

Table 5: Change in Core Market Hours by Age
Change 1960s Change 1970s

| All | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -12.9 | -3.6 | -15.0 | -6.3 | -9.1 | 1.3 | -10.8 | -1.7 |
| Germany | -23.8 | -7.7 | -13.2 | -11.7 |  |  |  |  |
| Italy |  |  |  |  | -9.5 | -0.1 | -3.6 | -1.9 |
| Netherlands |  |  |  |  | 3.1 | 8.0 | 1.5 | 6.4 |
| Norway |  |  |  |  | -4.6 | 2.6 | -2.4 | 0.9 |
| UK |  |  |  |  | -1.7 | 1.7 | -5.4 | 0.4 |
| USA | -6.5 | 0.1 | -5.5 | -1.4 | -3.9 | 1.0 | 0.1 | 0.7 |

Change 1960s Change 1970s

| Men | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -15.0 | -11.8 | -22.6 | -12.6 | -11.3 | -4.9 | -15.3 | -6.2 |
| Germany | -25.7 | -16.0 | -24.3 | -18.8 |  |  |  |  |
| Italy |  |  |  |  | -11.0 | -3.3 | -8.3 | -4.3 |
| Netherlands |  |  |  |  | 2.6 | 5.0 | 0.0 | 4.9 |
| Norway |  |  |  |  | -6.4 | -4.9 | -9.5 | -5.1 |
| UK |  |  |  |  | -5.3 | -3.8 | -13.1 | -4.7 |
| USA | -14.0 | -7.7 | -15.1 | -9.2 | -8.4 | -4.6 | -3.7 | -4.0 |

Change 1960s
Change 1970s

| Women | $15-24$ | $25-54$ | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -10.7 | 4.9 | -7.8 | 0.0 | -6.8 | 7.7 | -6.9 | 2.7 |
| Germany | -21.9 | -0.0 | -4.2 | -5.0 |  |  |  |  |
| Italy |  |  |  |  | -7.4 | 2.3 | -0.2 | 0.1 |
| Netherlands |  |  |  |  | 3.7 | 11.3 | 2.3 | 7.9 |
| Norway |  |  |  |  | -2.4 | 10.5 | 4.3 | 7.0 |
| UK |  |  |  |  | 1.8 | 7.3 | 1.1 | 5.4 |
| USA | 0.9 | 7.4 | 2.1 | 5.6 | 0.5 | 6.0 | 3.0 | 4.9 |

Table 6: Change in Total Market Hours by Age
Change 1960s
Change 1970s

| All | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -12.4 | -3.3 | -16.0 | -6.2 | -9.1 | 0.9 | -12.0 | -2.1 |
| Germany | -22.6 | -6.7 | -13.2 | -11.0 |  |  |  |  |
| Italy |  |  |  |  | -7.7 | 0.3 | -4.0 | -1.3 |
| Netherlands |  |  |  |  | 5.2 | 9.0 | 2.3 | 7.5 |
| Norway |  |  |  |  | -6.4 | 3.1 | -2.0 | 0.9 |
| UK |  |  |  |  | -1.2 | 2.0 | -6.2 | 0.6 |
| USA | -7.2 | -0.0 | -6.3 | -1.9 | -4.6 | 0.9 | -0.6 | 0.4 |

Change 1960s
Change 1970s

| Men | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -15.5 | -12.1 | -24.6 | -13.1 | -11.9 | -6.4 | -17.3 | -7.4 |
| Germany | -24.2 | -15.2 | -24.6 | -18.2 |  |  |  |  |
| Italy |  |  |  |  | -9.8 | -3.2 | -9.3 | -4.0 |
| Netherlands |  |  |  |  | 4.9 | 5.1 | 0.9 | 5.6 |
| Norway |  |  |  |  | -8.3 | -5.2 | -9.7 | -5.6 |
| UK |  |  |  |  | -5.3 | -4.6 | -14.7 | -5.3 |
| USA | -16.2 | -8.6 | -16.8 | -10.5 | -9.9 | -5.2 | -4.9 | -4.9 |

Change 1960s
Change 1970s

| Women | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -9.3 | 5.7 | -8.1 | 0.7 | -6.2 | 8.4 | -7.4 | 3.2 |
| Germany | -21.1 | 0.9 | -4.2 | -4.3 |  |  |  |  |
| Italy |  |  |  |  | -5.5 | 3.1 | 0.1 | 0.9 |
| Netherlands |  |  |  |  | 5.6 | 13.1 | 2.7 | 9.3 |
| Norway |  |  |  |  | -4.0 | 11.8 | 5.3 | 7.6 |
| UK |  |  |  |  | 2.6 | 8.6 | 1.1 | 6.3 |
| USA | 1.3 | 8.1 | 1.9 | 6.2 | 0.3 | 6.4 | 2.6 | 5.1 |



| All | 15-24 | 1960s |  | Table 8: Total Market Hours by Age |  |  |  |  |  | 2000s |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 |  |
| France | 26.5 | 35.5 | 27.4 | 31.9 | 23.3 | 31.3 | 23.3 | 27.8 | 14.1 | 32.2 | 11.4 | 25.7 |
| Germany | 39.6 | 34.6 | 24.7 | 33.8 |  |  |  |  | 17.0 | 27.9 | 11.5 | 22.8 |
| Italy |  |  |  |  | 23.1 | 31.0 | 17.5 | 26.9 | 15.4 | 31.4 | 13.5 | 25.6 |
| Netherlands |  |  |  |  | 19.9 | 21.8 | 11.8 | 19.9 | 25.1 | 30.8 | 14.1 | 27.4 |
| Norway |  |  |  |  | 26.6 | 27.7 | 24.1 | 26.8 | 20.3 | 30.8 | 22.1 | 27.7 |
| UK |  |  |  |  | 25.7 | 30.8 | 23.9 | 28.3 | 24.5 | 32.7 | 17.7 | 28.9 |
| USA | 26.9 | 33.7 | 30.4 | 31.6 | 24.3 | 32.8 | 24.7 | 29.3 | 19.7 | 33.7 | 24.1 | 29.7 |
| Men | 1960s |  |  |  | 1970s |  |  |  | 2000s |  |  |  |
|  | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total |
| France | 31.4 | 51.9 | 39.8 | 44.8 | 27.8 | 46.2 | 32.4 | 39.1 | 16.0 | 39.8 | 15.1 | 31.7 |
| Germany | 43.0 | 51.7 | 40.4 | 47.7 |  |  |  |  | 18.9 | 36.4 | 15.8 | 29.5 |
| Italy |  |  |  |  | 28.1 | 46.1 | 30.5 | 39.1 | 18.3 | 42.9 | 21.2 | 35.1 |
| Netherlands |  |  |  |  | 23.0 | 36.5 | 21.3 | 30.8 | 27.9 | 41.6 | 22.2 | 36.4 |
| Norway |  |  |  |  | 33.2 | 42.8 | 36.6 | 39.4 | 24.9 | 37.6 | 26.8 | 33.8 |
| UK |  |  |  |  | 33.1 | 45.8 | 39.1 | 41.6 | 27.8 | 41.3 | 24.4 | 36.3 |
| USA | 38.2 | 49.6 | 46.6 | 46.3 | 31.9 | 46.2 | 34.7 | 40.7 | 22.0 | 41.0 | 29.8 | 35.8 |
| Women | 1960s |  |  |  | 1970s |  |  |  | 2000s |  |  |  |
|  | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total |
| France | 21.7 | 19.1 | 15.8 | 19.2 | 18.6 | 16.4 | 15.2 | 16.7 | 12.4 | 24.8 | 7.7 | 19.9 |
| Germany | 36.1 | 18.1 | 11.4 | 20.3 |  |  |  |  | 14.9 | 19.0 | 7.2 | 16.0 |
| Italy |  |  |  |  | 17.7 | 16.5 | 6.2 | 15.1 | 12.3 | 19.6 | 6.3 | 16.0 |
| Netherlands |  |  |  |  | 16.6 | 6.7 | 3.4 | 8.8 | 22.2 | 19.8 | 6.1 | 18.1 |
| Norway |  |  |  |  | 19.6 | 12.0 | 12.0 | 13.8 | 15.6 | 23.8 | 17.3 | 21.4 |
| UK |  |  |  |  | 18.6 | 15.7 | 10.0 | 15.3 | 21.1 | 24.3 | 11.1 | 21.6 |
| USA | 16.0 | 18.6 | 17.0 | 17.7 | 17.0 | 20.3 | 16.2 | 18.8 | 17.3 | 26.7 | 18.8 | 23.9 |

Table 9: Core Home

| All persons | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | 15.3 | 15.3 |  |  | 11.3 | -4.0 | -4.0 |
| Germany | 14.3 |  |  | 9.8 | 10.4 | -3.9 |  |
| Italy |  | 15.6 | 15.9 |  | 14.1 |  | -1.5 |
| Netherlands |  | 11.5 | 11.5 | 10.1 | 9.2 |  | -2.3 |
| Norway |  | 16.6 | 12.3 | 9.6 | 11.5 |  | -5.1 |
| UK |  | 12.1 | 12.1 | 10.7 | 11.2 |  | -0.9 |
| USA | 13.5 | 11.9 | 9.8 | 8.4 | 8.2 | -5.3 | -3.7 |
|  |  |  |  |  |  |  |  |
| Men | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta$ |
| France | 3.5 | 4.3 |  |  | 4.1 | 0.6 | -0.2 |
| Germany | 1.4 |  |  | 4.0 | 5.1 | 3.7 |  |
| Italy |  | 2.2 | 1.9 |  | 3.2 |  | 1.0 |
| Netherlands |  | 2.9 | 3.9 | 4.3 | 5.0 |  | 2.1 |
| Norway |  | 3.9 | 4.8 | 4.3 | 7.4 |  | 3.5 |
| UK |  | 2.4 | 4.9 | 4.9 | 6.0 |  | 3.6 |
| USA | 2.7 | 3.0 | 4.4 | 4.7 | 4.4 | 1.7 | 1.4 |
|  |  |  |  |  |  |  |  |
| Women | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| France | 27.0 | 26.2 |  |  | 18.3 | -8.7 | -7.9 |
| Germany | 26.3 |  |  | 15.7 | 15.8 | -10.5 |  |
| Italy |  | 28.7 | 29.5 |  | 25.1 |  | -3.6 |
| Netherlands |  | 20.1 | 19.2 | 16.0 | 13.6 |  | -6.5 |
| Norway |  | 29.5 | 20.0 | 15.1 | 15.7 |  | -13.8 |
| UK |  | 21.7 | 18.9 | 16.3 | 16.2 |  | -5.5 |
| USA | 23.7 | 20.2 | 15.0 | 12.0 | 12.0 | -11.7 | -8.2 |

Table 10: Shopping

| All persons | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta$ | $60 s$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | 4.7 | 5.9 |  |  | 4.2 | -0.5 | -1.7 |
| Germany | 3.4 |  |  | 5.2 | 5.6 | 2.2 |  |
| Italy |  | 5.4 | 2.8 |  | 5.1 |  | -0.3 |
| Netherlands |  | 4.9 | 5.5 | 6.1 | 5.7 |  | 0.8 |
| Norway |  | 3.3 | 3.3 | 4.2 | 5.9 |  | 2.6 |
| UK |  | 4.0 | 5.4 | 4.0 | 5.8 |  | 1.8 |
| USA | 6.1 | 7.4 | 7.5 | 7.7 | 8.1 | 2.0 | 0.7 |
|  |  |  |  |  |  |  |  |
| Men | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta$ | $60 s$ |
| $\Delta$ | $70 s$ |  |  |  |  |  |  |
| France | 3.2 | 4.7 |  |  | 3.3 | 0.1 | -1.4 |
| Germany | 2.0 |  |  | 4.3 | 4.8 | 2.8 |  |
| Italy |  | 3.5 | 1.6 |  | 3.7 |  | 0.2 |
| Netherlands |  | 3.6 | 4.3 | 4.6 | 4.5 |  | 0.9 |
| Norway |  | 2.8 | 2.8 | 3.6 | 5.5 |  | 2.7 |
| UK |  | 2.4 | 4.4 | 2.7 | 4.6 |  | 2.2 |
| USA | 5.6 | 6.5 | 6.3 | 6.3 | 6.9 | 1.3 | 0.4 |
|  |  |  |  |  |  |  |  |
| Women | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta$ | $60 s$ |
| $\Delta$ | $70 s$ |  |  |  |  |  |  |
| France | 6.1 | 7.1 |  |  | 5.1 | -1.0 | -2.0 |
| Germany | 4.6 |  |  | 6.2 | 6.4 | 1.8 |  |
| Italy |  | 7.3 | 3.9 |  | 6.4 |  | -0.9 |
| Netherlands |  | 6.3 | 6.8 | 7.6 | 7.0 |  | 0.7 |
| Norway |  | 3.9 | 3.8 | 4.8 | 6.3 |  | 2.4 |
| UK |  | 5.5 | 6.5 | 5.2 | 7.0 |  | 1.5 |
| USA | 6.6 | 8.2 | 8.7 | 9.0 | 9.3 | 2.7 | 1.1 |

Table 11: Core Home + Shopping

| All persons | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | 20.0 | 21.2 |  |  | 15.5 | -4.5 | -5.7 |
| Germany | 17.7 |  |  | 15.0 | 16.0 | -1.7 |  |
| Italy |  | 21.0 | 18.7 |  | 19.2 |  | -1.8 |
| Netherlands |  | 16.4 | 17.1 | 16.1 | 14.9 |  | -1.5 |
| Norway |  | 19.9 | 15.6 | 13.8 | 17.4 |  | -2.5 |
| UK |  | 16.1 | 17.6 | 14.6 | 16.9 |  | 0.8 |
| USA | 19.6 | 19.3 | 17.3 | 16.1 | 16.4 | -3.2 | -2.9 |
|  | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| Men | 6.7 | 9.0 |  |  | 7.4 | 0.7 | -1.6 |
| France | 3.4 |  |  | 8.2 | 9.9 | 6.5 |  |
| Germany |  | 5.6 | 3.5 |  | 6.9 |  | 1.3 |
| Italy |  | 6.6 | 8.2 | 8.9 | 9.5 |  | 2.9 |
| Netherlands |  | 6.7 | 7.6 | 7.9 | 12.9 |  | 6.2 |
| Norway |  | 4.8 | 9.3 | 7.6 | 10.5 |  | 5.7 |
| UK | 8.4 | 9.5 | 10.7 | 11.0 | 11.3 | 2.9 | 1.8 |
| USA |  |  |  |  |  |  |  |
|  | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| Women | 193.0 | 33.4 |  |  | 23.4 | -9.6 | -10.0 |
| France | 30.9 |  |  | 21.9 | 22.2 | -8.7 |  |
| Germany |  | 36.0 | 33.4 |  | 31.5 |  | -4.5 |
| Italy |  | 26.4 | 26.1 | 23.6 | 20.5 |  | -5.9 |
| Netherlands |  | 33.4 | 23.9 | 20.0 | 22.0 |  | -11.4 |
| Norway |  | 27.2 | 25.3 | 21.5 | 23.2 |  | -4.0 |
| UK | 30.2 | 28.4 | 23.7 | 21.0 | 21.3 | -8.9 | -7.1 |
| USA |  |  |  |  |  |  |  |

Table 12: Total Home

| All persons | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | 23.7 | 23.0 |  |  | 17.3 | -6.4 | -5.7 |
| Germany | 20.7 |  |  | 22.0 | 20.1 | -0.6 |  |
| Italy |  | 21.6 | 20.3 |  | 21.2 |  | -0.4 |
| Netherlands |  | 21.0 | 22.1 | 21.1 | 19.0 |  | -2.0 |
| Norway |  | 22.4 | 18.8 | 19.2 | 19.5 |  | -2.9 |
| UK |  | 18.6 | 20.9 | 16.5 | 19.7 |  | 1.1 |
| USA | 22.7 | 22.7 | 21.2 | 19.6 | 20.4 | -2.3 | -2.3 |
|  |  |  |  |  |  |  |  |
| Men | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| France | 10.7 | 11.0 |  |  | 9.6 | -1.1 | -1.4 |
| Germany | 6.8 |  |  | 14.2 | 14.5 | 7.7 |  |
| Italy |  | 6.5 | 5.6 |  | 8.8 |  | 2.3 |
| Netherlands |  | 10.6 | 13.2 | 14.2 | 13.3 |  | 2.7 |
| Norway |  | 10.7 | 12.2 | 14.3 | 16.1 |  | 5.4 |
| UK |  | 8.2 | 13.4 | 10.4 | 13.7 |  | 5.5 |
| USA | 11.0 | 13.5 | 15.2 | 14.9 | 15.4 | 4.4 | 1.9 |
|  |  |  |  |  |  |  |  |
| Women | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| France | 36.4 | 34.9 |  |  | 24.9 | -11.5 | -10.0 |
| Germany | 33.7 |  |  | 29.9 | 25.7 | -8.0 |  |
| Italy |  | 36.3 | 34.6 |  | 33.5 |  | -2.8 |
| Netherlands |  | 31.6 | 31.0 | 28.2 | 24.9 |  | -6.7 |
| Norway |  | 34.4 | 25.7 | 24.2 | 23.1 |  | -11.3 |
| UK |  | 28.9 | 27.9 | 22.6 | 25.7 |  | -3.2 |
| USA | 33.6 | 31.2 | 26.9 | 24.1 | 25.1 | -8.5 | -6.1 |

Table 13: Child Care

| All persons | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | 5.4 | 4.0 |  |  | 2.7 | -2.7 | -1.3 |
| Germany | 3.3 |  |  | 3.4 | 3.2 | -0.1 |  |
| Italy |  | 2.2 | 2.1 |  | 2.5 |  | 0.3 |
| Netherlands |  | 2.6 | 2.8 | 2.9 | 2.9 |  | 0.3 |
| Norway |  | 2.9 | 3.2 | 3.8 | 3.8 |  | 0.9 |
| UK |  | 1.6 | 2.9 | 4.0 | 2.9 |  | 1.3 |
| USA | 3.1 | 3.0 | 2.3 | 2.1 | 4.5 | 1.4 | 1.5 |
|  |  |  |  |  |  |  |  |
| Men | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta$ | $60 s$ |
| $\Delta$ | $70 s$ |  |  |  |  |  |  |
| France | 1.9 | 1.3 |  |  | 1.3 | -0.6 | 0.0 |
| Germany | 1.0 |  |  | 2.0 | 1.9 | 0.9 |  |
| Italy |  | 1.2 | 1.1 |  | 1.3 |  | 0.1 |
| Netherlands |  | 1.4 | 1.4 | 1.6 | 1.6 |  | 0.2 |
| Norway |  | 1.2 | 1.9 | 2.2 | 2.1 |  | 0.9 |
| UK |  | 0.5 | 1.4 | 2.4 | 1.6 |  | 1.1 |
| USA | 1.2 | 1.2 | 0.9 | 0.9 | 2.7 | 1.5 | 1.5 |
|  |  |  |  |  |  |  |  |
| Women | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | 2000 | $\Delta$ | $60 s$ |
| $\Delta$ | $70 s$ |  |  |  |  |  |  |
| France | 8.8 | 6.7 |  |  | 4.1 | -4.7 | -2.6 |
| Germany | 5.4 |  |  | 4.9 | 4.6 | -0.8 |  |
| Italy |  | 3.2 | 3.1 |  | 3.6 |  | 0.4 |
| Netherlands |  | 3.8 | 4.0 | 4.3 | 4.3 |  | 0.5 |
| Norway |  | 4.7 | 4.5 | 5.4 | 5.5 |  | 0.8 |
| UK |  | 2.6 | 4.1 | 5.7 | 4.1 |  | 1.5 |
| USA | 5.0 | 4.7 | 3.7 | 3.2 | 6.3 | 1.3 | 1.6 |

Table 14: Total Home + Childcare

| All persons | 1960s | 1970s | 1980 s | 1990s | 2000s | $\Delta 60 \mathrm{~s}$ | $\Delta 70 \mathrm{~s}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| France | 29.1 | 27.0 |  |  | 20.0 | -9.1 | $-7.0$ |
| Germany | 24.0 |  |  | 25.4 | 23.3 | -0.7 |  |
| Italy |  | 23.8 | 22.4 |  | 23.6 |  | -0.2 |
| Netherlands |  | 23.6 | 24.8 | 24.0 | 21.9 |  | -1.7 |
| Norway |  | 25.3 | 22.0 | 23.0 | 23.3 |  | -2.0 |
| UK |  | 20.2 | 23.9 | 20.6 | 22.6 |  | 2.4 |
| USA | 25.8 | 25.7 | 23.5 | 21.7 | 24.9 | -0.9 | -0.8 |
| Men | 1960s | 1970s | 1980s | 1990s | 2000s | $\Delta 60 \mathrm{~s}$ | $\Delta 70 \mathrm{~s}$ |
| France | 12.6 | 12.3 |  |  | 10.8 | -1.8 | $-1.5$ |
| Germany | 7.7 |  |  | 16.2 | 16.4 | 8.7 |  |
| Italy |  | 7.7 | 6.7 |  | 10.2 |  | 2.5 |
| Netherlands |  | 12.0 | 14.6 | 15.7 | 14.8 |  | 2.8 |
| Norway |  | 11.9 | 14.1 | 16.5 | 18.2 |  | 6.3 |
| UK |  | 8.7 | 14.8 | 12.7 | 15.3 |  | 6.6 |
| USA | 12.2 | 14.7 | 16.1 | 15.8 | 18.1 | 5.9 | 3.4 |
| Women | 1960s | 1970s | 1980s | 1990s | 2000 s | $\Delta 60 s$ | $\triangle 70 \mathrm{~s}$ |
| France | 45.1 | 41.6 |  |  | 28.9 | -16.2 | $-12.7$ |
| Germany | 39.2 |  |  | 34.7 | 30.3 | -8.9 |  |
| Italy |  | 39.5 | 37.7 |  | 37.1 |  | -2.4 |
| Netherlands |  | 35.4 | 35.0 | 32.6 | 29.2 |  | -6.2 |
| Norway |  | 39.0 | 30.2 | 29.6 | 28.6 |  | -10.4 |
| UK |  | 31.4 | 32.1 | 28.3 | 29.8 |  | -1.6 |
| USA | 38.7 | 35.9 | 30.6 | 27.3 | 31.4 | -7.3 | -4.5 |

Table 15: Change in Core Home Hours by Age
Change 1960s Change 1970s

| All | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -6.8 | -3.6 | -2.8 | -4.0 | -6.1 | -4.1 | -2.3 | -4.0 |
| Germany | -3.1 | -4.8 | -3.9 | -3.9 |  |  |  |  |
| Italy |  |  |  |  | -1.4 | -2.9 | -2.5 | -1.5 |
| Netherlands |  |  |  |  | -2.1 | -3.3 | -2.0 | -2.3 |
| Norway |  |  |  |  | -2.0 | -7.2 | -4.0 | -5.1 |
| UK |  |  |  |  | -1.6 | -1.7 | 0.1 | -0.9 |
| USA | -5.2 | -5.6 | -6.0 | -5.3 | -5.1 | -3.5 | -3.9 | -3.7 |

Change 1960s Change 1970s

| Men | $15-24$ | $25-54$ | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -0.6 | 1.2 | -0.3 | 0.6 | -0.7 | 0.1 | -1.3 | -0.2 |
| Germany | 1.5 | 3.7 | 5.0 | 3.7 |  |  |  |  |
| Italy |  |  |  |  | 0.2 | 0.9 | 1.9 | 1.0 |
| Netherlands |  |  |  |  | 1.4 | 1.8 | 2.5 | 2.1 |
| Norway |  |  |  |  | 1.8 | 3.4 | 5.0 | 3.5 |
| UK |  |  |  |  | 1.3 | 3.6 | 5.7 | 3.6 |
| USA | 0.1 | 2.2 | 1.3 | 1.7 | -0.6 | 2.1 | 0.4 | 1.4 |

Change 1960s
Change 1970s

| Women | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -13.5 | -8.6 | -4.2 | -8.7 | -12.1 | -8.5 | -2.8 | -7.9 |
| Germany | -8.1 | -12.1 | -10.1 | -10.5 |  |  |  |  |
| Italy |  |  |  |  | -3.1 | -6.2 | -5.4 | -3.6 |
| Netherlands |  |  |  |  | -5.8 | -8.6 | -5.7 | -6.5 |
| Norway |  |  |  |  | -6.0 | -18.0 | -12.2 | -13.8 |
| UK |  |  |  |  | -4.4 | -7.2 | -4.6 | -5.5 |
| USA | -10.4 | -12.8 | -11.4 | -11.7 | -9.3 | -8.7 | -7.7 | -8.2 |

Table 16: Change in Core Home + Shopping by Age

|  | Change 1960s |  |  |  | Change 1970s |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| All | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | $55-64$ | Total |
| France | -8.3 | -3.9 | -3.2 | -4.5 | -9.0 | -5.8 | -3.1 | -5.7 |
| Germany | -1.6 | -2.9 | -0.5 | -1.7 |  |  |  |  |
| Italy |  |  |  |  | -2.4 | -3.6 | -2.5 | -1.8 |
| Netherlands |  |  |  |  | -1.6 | -2.5 | -2.1 | -1.5 |
| Norway |  |  |  |  | 0.3 | -4.6 | -1.4 | -2.5 |
| UK |  |  |  |  | -0.5 | -0.0 | 2.6 | 0.8 |
| USA | -3.0 | -3.6 | -3.9 | -3.2 | -5.8 | -2.6 | -1.8 | -2.9 |

Change 1960s Change 1970s

| Men | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -1.3 | 1.3 | 0.7 | 0.7 | -2.9 | -1.3 | -1.9 | -1.6 |
| Germany | 3.2 | 6.0 | 10.4 | 6.5 |  |  |  |  |
| Italy |  |  |  |  | -0.6 | 0.7 | 4.1 | 1.3 |
| Netherlands |  |  |  |  | 2.6 | 2.7 | 2.2 | 2.9 |
| Norway |  |  |  |  | 3.7 | 6.2 | 8.0 | 6.2 |
| UK |  |  |  |  | 2.7 | 5.7 | 8.8 | 5.7 |
| USA | 0.2 | 3.8 | 2.7 | 2.9 | -2.0 | 2.9 | 2.0 | 1.8 |


|  | Change 1960s |  |  |  | Change 1970s |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Women | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| France | -15.5 | -9.3 | -5.6 | -9.6 | -15.5 | -10.6 | -3.8 | -10.0 |
| Germany | -6.8 | -10.4 | -8.2 | -8.7 |  |  |  |  |
| Italy |  |  |  |  | -4.2 | -7.3 | -7.2 | -4.5 |
| Netherlands |  |  |  |  | -6.0 | -8.0 | -5.1 | -5.9 |
| Norway |  |  |  |  | -3.4 | -15.7 | -10.1 | -11.4 |
| UK |  |  |  |  | -3.6 | -6.0 | -2.5 | -4.0 |
| USA | -6.4 | -10.6 | -9.0 | -8.9 | -9.3 | -7.8 | -5.0 | -7.1 |

Table 17: Change in Total Home Hours by Age
Change 1960s Change 1970s

| All | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -11.6 | -5.5 | -4.1 | -6.4 | -9.4 | -5.7 | -2.7 | -5.7 |
| Germany | -2.3 | -2.2 | 2.8 | -0.6 |  |  |  |  |
| Italy |  |  |  |  | -1.8 | -2.6 | 0.6 | -0.4 |
| Netherlands |  |  |  |  | -3.2 | -3.2 | -2.2 | -2.0 |
| Norway |  |  |  |  | -0.5 | -4.9 | -2.0 | -2.9 |
| UK |  |  |  |  | -1.1 | -0.1 | 4.7 | 1.1 |
| USA | -3.1 | -2.8 | -1.2 | -2.3 | -5.6 | -2.3 | 0.1 | -2.3 |

Change 1960s Change 1970s

| Men | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -6.1 | 0.2 | 1.0 | -1.1 | -3.6 | -1.0 | -0.7 | -1.4 |
| Germany | 2.3 | 6.8 | 14.8 | 7.7 |  |  |  |  |
| Italy |  |  |  |  | 0.1 | 1.2 | 6.6 | 2.3 |
| Netherlands |  |  |  |  | 0.7 | 2.2 | 3.8 | 2.7 |
| Norway |  |  |  |  | 2.2 | 5.3 | 7.7 | 5.4 |
| UK |  |  |  |  | 1.9 | 5.0 | 9.8 | 5.5 |
| USA | 1.1 | 4.8 | 6.6 | 4.4 | -2.0 | 2.8 | 3.1 | 1.9 |

Change 1960s
Change 1970s

| Women | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -17.2 | -11.2 | -7.5 | -11.5 | -15.6 | -10.7 | -4.1 | -10.0 |
| Germany | -7.3 | -9.9 | -6.1 | -8.0 |  |  |  |  |
| Italy |  |  |  |  | -3.8 | -5.7 | -3.6 | -2.8 |
| Netherlands |  |  |  |  | -7.4 | -8.7 | -7.0 | -6.7 |
| Norway |  |  |  |  | -3.4 | -15.4 | -10.7 | -11.3 |
| UK |  |  |  |  | -3.7 | -5.5 | 0.6 | -3.2 |
| USA | -7.4 | -9.9 | -7.1 | -8.5 | -8.8 | -7.0 | -2.3 | -6.1 |

Table 18: Change in Total Home + Childcare by Age

|  | Change 1960s |  |  |  | Change 1970s |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| All | $15-24$ | 25-54 | 55-64 | Total | 15-24 | 25-54 | $55-64$ | Total |
| France | -16.8 | -8.1 | -4.5 | -9.1 | -14.1 | -6.4 | -2.4 | -7.0 |
| Germany | -4.4 | -1.7 | 2.4 | -0.7 |  |  |  |  |
| Italy |  |  |  |  | -2.7 | -1.9 | 0.2 | -0.2 |
| Netherlands |  |  |  |  | -3.9 | -3.0 | -1.0 | -1.7 |
| Norway |  |  |  |  | -1.2 | -3.7 | -2.3 | -2.0 |
| UK |  |  |  |  | -0.6 | 1.6 | 4.7 | 2.4 |
| USA | -3.1 | -0.7 | -2.0 | -0.9 | -6.2 | 0.2 | -0.5 | -0.8 |

Change 1960s Change 1970s

| Men | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -8.2 | -0.2 | 1.2 | -1.8 | -4.5 | -1.0 | -0.7 | -1.5 |
| Germany | 1.5 | 8.5 | 14.5 | 8.7 |  |  |  |  |
| Italy |  |  |  |  | -0.0 | 1.3 | 6.5 | 2.5 |
| Netherlands |  |  |  |  | 0.6 | 2.2 | 4.1 | 2.8 |
| Norway |  |  |  |  | 1.9 | 6.6 | 7.7 | 6.3 |
| UK |  |  |  |  | 2.1 | 6.4 | 10.0 | 6.6 |
| USA | 1.3 | 7.0 | 6.5 | 5.9 | -1.8 | 5.1 | 2.8 | 3.4 |

Change 1960s
Change 1970s

| Women | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -25.4 | -16.2 | -8.4 | -16.2 | -24.2 | -12.3 | -3.5 | -12.7 |
| Germany | -11.0 | -10.3 | -6.7 | -8.9 |  |  |  |  |
| Italy |  |  |  |  | -5.5 | -4.7 | -4.3 | -2.4 |
| Netherlands |  |  |  |  | -8.6 | -8.5 | -5.0 | -6.2 |
| Norway |  |  |  |  | -4.4 | -14.3 | -11.3 | -10.4 |
| UK |  |  |  |  | -3.1 | -3.5 | 0.4 | -1.6 |
| USA | -7.7 | -7.9 | -8.5 | -7.3 | -10.1 | -4.0 | -3.2 | -4.5 |


| All | 1960s |  |  |  | Table 19: Core Home Hours by Age1970s |  |  |  |  | 2000s |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total |
| France | 12.2 | 15.8 | 18.1 | 15.3 | 11.5 | 16.3 | 17.6 | 15.3 | 5.4 | 12.2 | 15.3 | 11.3 |
| Germany | 7.0 | 16.0 | 17.4 | 14.3 |  |  |  |  | 3.9 | 11.1 | 13.5 | 10.4 |
| Italy |  |  |  |  | 6.0 | 17.9 | 22.7 | 15.6 | 4.6 | 14.9 | 20.2 | 14.1 |
| Netherlands |  |  |  |  | 6.2 | 13.2 | 14.1 | 11.5 | 4.1 | 9.9 | 12.0 | 9.2 |
| Norway |  |  |  |  | 7.9 | 19.2 | 19.3 | 16.6 | 5.9 | 12.0 | 15.3 | 11.5 |
| UK |  |  |  |  | 6.7 | 13.6 | 14.4 | 12.1 | 5.1 | 11.9 | 14.5 | 11.2 |
| USA | 9.5 | 14.7 | 15.6 | 13.5 | 9.4 | 12.6 | 13.6 | 11.9 | 4.3 | 9.1 | 9.7 | 8.2 |
| Men | 1960s |  |  |  | 1970s |  |  |  | 2000s |  |  |  |
|  | 15-24 | $25-54$ | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total |
| France | 3.0 | 3.2 | 5.5 | 3.5 | 3.1 | 4.2 | 6.5 | 4.3 | 2.4 | 4.3 | 5.2 | 4.1 |
| Germany | 0.9 | 1.3 | 2.4 | 1.4 |  |  |  |  | 2.5 | 5.1 | 7.4 | 5.1 |
| Italy |  |  |  |  | 1.1 | 2.2 | 3.7 | 2.2 | 1.3 | 3.1 | 5.6 | 3.2 |
| Netherlands |  |  |  |  | 1.6 | 3.4 | 3.9 | 2.9 | 3.0 | 5.2 | 6.5 | 5.0 |
| Norway |  |  |  |  | 2.1 | 4.3 | 5.2 | 3.9 | 3.9 | 7.7 | 10.2 | 7.4 |
| UK |  |  |  |  | 1.7 | 2.5 | 2.9 | 2.4 | 3.0 | 6.1 | 8.6 | 6.0 |
| USA | 2.2 | 2.6 | 3.9 | 2.7 | 2.9 | 2.7 | 4.8 | 3.0 | 2.3 | 4.8 | 5.2 | 4.4 |
|  |  | 19 |  |  |  | 19 |  |  |  |  |  |  |
| Women | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total |
| France | 21.7 | 28.5 | 29.0 | 27.0 | 20.3 | 28.4 | 27.7 | 26.2 | 8.2 | 19.9 | 24.9 | 18.3 |
| Germany | 13.4 | 29.4 | 29.8 | 26.3 |  |  |  |  | 5.3 | 17.3 | 19.6 | 15.8 |
| Italy |  |  |  |  | 11.2 | 33.1 | 39.4 | 28.7 | 8.1 | 26.9 | 34.0 | 25.1 |
| Netherlands |  |  |  |  | 11.1 | 23.5 | 23.3 | 20.1 | 5.3 | 14.8 | 17.5 | 13.6 |
| Norway |  |  |  |  | 14.0 | 34.5 | 32.8 | 29.5 | 8.0 | 16.6 | 20.6 | 15.7 |
| UK |  |  |  |  | 11.5 | 24.6 | 24.9 | 21.7 | 7.1 | 17.5 | 20.3 | 16.2 |
| USA | 16.8 | 25.9 | 25.1 | 23.7 | 15.7 | 21.9 | 21.5 | 20.2 | 6.4 | 13.1 | 13.8 | 12.0 |



| All | 15-24 | 1960s |  | Table 21: Total Home Hours by Age |  |  |  |  |  | 2000s |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total |
| France | 20.5 | 23.9 | 27.4 | 23.7 | 18.3 | 24.2 | 26.0 | 23.0 | 8.9 | 18.4 | 23.3 | 17.3 |
| Germany | 11.7 | 23.1 | 23.4 | 20.7 |  |  |  |  | 9.4 | 20.9 | 26.2 | 20.1 |
| Italy |  |  |  |  | 9.4 | 24.5 | 30.6 | 21.6 | 7.7 | 21.9 | 31.2 | 21.2 |
| Netherlands |  |  |  |  | 13.0 | 23.4 | 26.6 | 21.0 | 9.7 | 20.2 | 24.4 | 19.0 |
| Norway |  |  |  |  | 12.4 | 25.4 | 25.8 | 22.4 | 11.9 | 20.5 | 23.8 | 19.5 |
| UK |  |  |  |  | 11.7 | 20.8 | 20.7 | 18.6 | 10.6 | 20.6 | 25.3 | 19.7 |
| USA | 17.4 | 24.1 | 25.4 | 22.7 | 19.9 | 23.6 | 24.1 | 22.7 | 14.3 | 21.3 | 24.2 | 20.4 |
|  | 1960s |  |  |  | 1970s |  |  |  | 2000s |  |  |  |
| Men | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total |
| France | 11.6 | 9.6 | 12.9 | 10.7 | 9.1 | 10.9 | 14.5 | 11.0 | 5.5 | 9.9 | 13.8 | 9.6 |
| Germany | 5.1 | 7.7 | 5.9 | 6.8 |  |  |  |  | 7.4 | 14.5 | 20.7 | 14.5 |
| Italy |  |  |  |  | 3.6 | 7.0 | 9.5 | 6.5 | 3.7 | 8.3 | 16.1 | 8.8 |
| Netherlands |  |  |  |  | 7.0 | 11.2 | 15.5 | 10.6 | 7.7 | 13.4 | 19.3 | 13.3 |
| Norway |  |  |  |  | 7.4 | 11.5 | 12.4 | 10.7 | 9.6 | 16.8 | 20.1 | 16.1 |
| UK |  |  |  |  | 5.6 | 9.0 | 8.7 | 8.2 | 7.5 | 14.1 | 18.4 |  |
| USA | 10.3 | 11.1 | 12.1 | 11.0 | $13.3 \quad 13.0 \quad 15.6$ |  |  | 13.5 | 11.4 | 15.9 | 18.7 | 15.4 |
|  | 1960s |  |  |  | 1970s |  |  |  | 2000s |  |  |  |
| Women | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total |
| France | 29.5 | 38.1 | 39.8 | 36.4 | 27.9 | 37.6 | 36.4 | 34.9 | 12.3 | 26.9 | 32.3 | 24.9 |
| Germany | 18.7 | 37.3 | 37.8 | 33.7 |  |  |  | 36.3 | 11.4 | 27.4 | 31.7 | 25.7 |
| Italy |  |  |  |  | 15.5 | 41.4 | 49.1 |  | 11.7 | 35.7 | 45.5 | 33.5 |
| Netherlands |  |  |  |  | 19.3 | 36.0 | 36.6 | 31.6 | 11.9 | 27.2 | 29.6 | 24.9 |
| Norway |  |  |  |  | 17.7 | 39.6 | 38.4 | 34.4 | 14.3 | 24.2 | 27.7 | 23.1 |
| UK |  |  |  |  | $17.5$ | $33.4$ | $\begin{aligned} & 31.5 \\ & 31.4 \end{aligned}$ | $\begin{aligned} & 28.9 \\ & 31.2 \\ & \hline \end{aligned}$ | 13.8 | 27.0 | 32.1 | 25.7 |
| USA | 24.7 | 36.4 | 36.2 | 33.6 | 26.1 |  |  |  | 17.3 | 26.5 | 29.1 |  |


| All | 1960s |  |  |  | $22:$ | $\begin{array}{r} \text { tal Hol } \\ 197 \end{array}$ | $\begin{aligned} & \mathrm{me}+ \\ & \mathbf{0} \mathrm{s} \end{aligned}$ | iildc | by As | 20 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total |
| France | 26.6 | 30.1 | 29.1 | 29.1 | 23.9 | 28.4 | 27.0 | 27.0 | 9.8 | 22.0 | 24.6 | 20.0 |
| Germany | 14.2 | 27.4 | 24.1 | 24.0 |  |  |  |  | 9.8 | 25.7 | 26.5 | 23.3 |
| Italy |  |  |  |  | 11.0 | 27.4 | 31.2 | 23.8 | 8.3 | 25.5 | 31.4 | 23.6 |
| Netherlands |  |  |  |  | 14.6 | 27.0 | 26.9 | 23.6 | 10.8 | 23.9 | 26.0 | 21.9 |
| Norway |  |  |  |  | 14.5 | 29.4 | 26.3 | 25.3 | 13.4 | 25.7 | 24.1 | 23.3 |
| UK |  |  |  |  | 13.1 | 22.8 | 20.9 | 20.2 | 12.6 | 24.4 | 25.6 | 22.6 |
| USA | 20.0 | 27.9 | 26.7 | 25.8 | 23.1 | 27.0 | 25.2 | 25.7 | 16.9 | 27.2 | 24.7 | 24.9 |
| Men | 1960s |  |  |  | 1970s |  |  |  | 2000s |  |  |  |
|  | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total |
| France | 13.9 | 11.8 | 13.2 | 12.6 | 10.2 | 12.5 | 15.2 | 12.3 | 5.7 | 11.6 | 14.4 | 10.8 |
| Germany | 5.9 | 8.8 | 6.4 | 7.7 |  |  |  |  | 7.4 | 17.3 | 21.0 | 16.4 |
| Italy |  |  |  |  | 3.9 | 8.9 | 9.8 | 7.7 | 3.9 | 10.3 | 16.3 | 10.2 |
| Netherlands |  |  |  |  | 7.4 | 13.3 | 15.8 | 12.0 | 8.0 | 15.5 | 19.9 | 14.8 |
| Norway |  |  |  |  | 7.8 | 13.3 | 12.7 | 11.9 | 9.7 | 19.9 | 20.4 | 18.2 |
| UK |  |  |  |  | 5.9 | 9.9 | 8.7 | 8.7 | 8.0 | 16.3 | 18.7 | 15.3 |
| USA | 10.8 | 12.7 | 12.6 | 12.2 | 14.0 | 14.6 | 16.4 | 14.7 | 12.1 | 19.6 | 19.2 | 18.1 |
|  | 1960s |  |  |  | 1970s |  |  |  | 2000s |  |  |  |
| Women | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total |
| France | 39.3 | 48.4 | 42.6 | 45.1 | 38.0 | 44.5 | 37.6 | 41.6 | 13.9 | 32.2 | 34.2 | 28.9 |
| Germany | 23.2 | 44.6 | 38.7 | 39.2 |  |  |  |  | 12.2 | 34.3 | 32.0 | 30.3 |
| Italy |  |  |  |  | 18.3 | 45.5 | 49.9 | 39.5 | 12.8 | 40.9 | 45.6 | 37.1 |
| Netherlands |  |  |  |  | 22.2 | 41.0 | 37.0 | 35.4 | 13.6 | 32.5 | 32.0 | 29.2 |
| Norway |  |  |  |  | 21.6 | 45.9 | 39.2 | 39.0 | 17.2 | 31.6 | 27.9 | 28.6 |
| UK |  |  |  |  | 20.2 | 35.8 | 31.9 | 31.4 | 17.0 | 32.3 | 32.2 | 29.8 |
| USA | 29.3 | 42.4 | 38.3 | 38.7 | 31.6 | 38.5 | 33.0 | 35.9 | 21.6 | 34.5 | 29.8 | 31.4 |

Table 23: Core Combined

| All persons | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | 44.5 | 39.9 |  |  | 34.2 | -10.3 | -5.7 |
| Germany | 45.7 |  |  | 35.7 | 30.1 | -15.6 |  |
| Italy |  | 39.5 | 38.8 |  | 36.2 |  | -3.3 |
| Netherlands |  | 28.3 | 27.1 | 27.3 | 32.5 |  | 4.2 |
| Norway |  | 40.8 | 37.2 | 33.4 | 36.6 |  | -4.2 |
| UK |  | 37.0 | 34.6 | 36.2 | 36.4 |  | -0.6 |
| USA | 42.2 | 38.3 | 36.2 | 36.3 | 35.4 | -6.8 | -2.9 |
|  |  |  |  |  |  |  |  |
| Men | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| France | 44.4 | 38.8 |  |  | 32.4 | -12.0 | -6.4 |
| Germany | 45.9 |  |  | 38.0 | 30.7 | -15.2 |  |
| Italy |  | 36.8 | 34.1 |  | 33.7 |  | -3.1 |
| Netherlands |  | 29.0 | 28.1 | 29.7 | 36.0 |  | 7.0 |
| Norway |  | 39.7 | 37.0 | 34.5 | 38.2 |  | -1.5 |
| UK |  | 39.2 | 34.5 | 36.9 | 38.1 |  | -1.1 |
| USA | 44.6 | 39.7 | 37.5 | 38.1 | 37.0 | -7.6 | -2.7 |
|  |  |  |  |  |  |  |  |
| Women | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| France | 44.6 | 41.1 |  |  | 36.0 | -8.6 | -5.1 |
| Germany | 45.0 |  |  | 33.2 | 29.5 | -15.5 |  |
| Italy |  | 42.2 | 43.3 |  | 38.7 |  | -3.5 |
| Netherlands |  | 27.6 | 26.1 | 24.9 | 28.9 |  | 1.3 |
| Norway |  | 41.8 | 37.6 | 32.2 | 35.0 |  | -6.8 |
| UK |  | 34.9 | 34.5 | 35.6 | 34.8 |  | -0.1 |
| USA | 40.0 | 37.2 | 35.1 | 34.4 | 33.9 | -6.1 | -3.3 |

Table 24: Core Combined + Shopping

| All persons | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | 49.2 | 45.8 |  |  | 38.4 | -10.8 | -7.4 |
| Germany | 49.0 |  |  | 40.9 | 35.7 | -13.3 |  |
| Italy |  | 44.9 | 41.6 |  | 41.2 |  | -3.7 |
| Netherlands |  | 33.3 | 32.7 | 33.4 | 38.2 |  | 4.9 |
| Norway |  | 44.2 | 40.5 | 37.6 | 42.4 |  | -1.8 |
| UK |  | 41.0 | 40.0 | 40.1 | 42.2 |  | 1.2 |
| USA | 48.3 | 45.8 | 43.7 | 44.0 | 43.6 | -4.7 | -2.2 |
|  | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| Men | 47.6 | 43.4 |  |  | 35.7 | -11.9 | -7.7 |
| France | 47.8 |  |  | 42.3 | 35.5 | -12.3 |  |
| Germany |  | 40.3 | 35.8 |  | 37.4 |  | -2.9 |
| Italy |  | 32.6 | 32.5 | 34.3 | 40.5 |  | 7.9 |
| Netherlands |  | 42.5 | 39.8 | 38.1 | 43.6 |  | 1.1 |
| Norway |  | 41.5 | 38.8 | 39.6 | 42.6 |  | 1.1 |
| UK | 50.2 | 46.2 | 43.8 | 44.4 | 43.9 | -6.3 | -2.3 |
| USA |  |  |  |  |  |  |  |
|  | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| Women | 190.7 | 48.3 |  |  | 41.0 | -9.7 | -7.3 |
| France | 49.6 |  |  | 39.4 | 35.9 | -13.7 |  |
| Germany |  | 49.5 | 47.2 |  | 45.1 |  | -4.4 |
| Italy |  | 33.9 | 33.0 | 32.5 | 35.9 |  | 2.0 |
| Netherlands |  | 45.7 | 41.5 | 37.1 | 41.3 |  | -4.4 |
| Norway |  | 40.4 | 41.0 | 40.7 | 41.8 |  | 1.4 |
| UK | 46.5 | 45.4 | 43.8 | 43.4 | 43.2 | -3.3 | -2.2 |
| USA |  |  |  |  |  |  |  |

Table 25: Total Combined

| All persons | 1960s | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | 55.6 | 50.8 |  |  | 43.0 | -12.6 | -7.8 |
| Germany | 54.5 |  |  | 50.8 | 42.9 | -11.6 |  |
| Italy |  | 48.5 | 43.5 |  | 46.7 |  | -1.8 |
| Netherlands |  | 40.9 | 40.5 | 41.8 | 46.4 |  | 5.5 |
| Norway |  | 49.2 | 46.4 | 45.8 | 47.2 |  | -2.0 |
| UK |  | 46.9 | 46.3 | 44.9 | 48.6 |  | 1.7 |
| USA | 54.2 | 52.0 | 50.8 | 50.8 | 50.1 | -4.1 | -1.9 |
|  | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| Men | 55.5 | 50.1 |  |  | 41.3 | -14.2 | -8.8 |
| France | 54.5 |  |  | 52.1 | 44.1 | -10.4 |  |
| Germany |  | 45.6 | 38.4 |  | 43.9 |  | -1.7 |
| Italy |  | 41.4 | 41.8 | 44.4 | 49.6 |  | 8.2 |
| Netherlands |  | 50.1 | 47.6 | 48.0 | 49.9 |  | -0.2 |
| Norway |  | 49.7 | 46.6 | 45.9 | 49.9 |  | 0.2 |
| UK | 57.4 | 54.2 | 52.4 | 52.4 | 51.2 | -6.2 | -3.0 |
| USA |  |  |  |  |  |  |  |
|  | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| Women | 55.5 | 51.6 |  |  | 44.8 | -10.7 | -6.8 |
| France | 54.1 |  |  | 49.5 | 41.7 | -12.4 |  |
| Germany |  | 51.4 | 48.5 |  | 49.5 |  | -1.9 |
| Italy |  | 40.5 | 39.3 | 39.0 | 43.0 |  | 2.5 |
| Netherlands |  | 48.2 | 45.4 | 43.7 | 44.5 |  | -3.7 |
| Norway |  | 44.1 | 45.8 | 43.9 | 47.3 |  | 3.2 |
| UK | 51.4 | 50.0 | 49.5 | 49.2 | 49.0 | -2.4 | -1.0 |
| USA |  |  |  |  |  |  |  |

Table 26: Total Combined + Childcare

| All persons | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | 60.9 | 54.8 |  |  | 45.7 | -15.2 | -9.1 |
| Germany | 57.8 |  |  | 54.2 | 46.1 | -11.7 |  |
| Italy |  | 50.7 | 45.6 |  | 49.2 |  | -1.5 |
| Netherlands |  | 43.5 | 43.2 | 44.7 | 49.3 |  | 5.8 |
| Norway |  | 52.1 | 49.5 | 49.6 | 51.0 |  | -1.1 |
| UK |  | 48.5 | 49.2 | 48.9 | 51.5 |  | 3.0 |
| USA | 57.4 | 55.0 | 53.1 | 52.9 | 54.6 | -2.8 | -0.4 |
|  | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| Men | 57.3 | 51.4 |  |  | 42.5 | -14.8 | -8.9 |
| France | 55.5 |  |  | 54.1 | 46.0 | -9.5 |  |
| Germany |  | 46.8 | 39.5 |  | 45.2 |  | -1.6 |
| Italy |  | 42.8 | 43.1 | 46.0 | 51.2 |  | 8.4 |
| Netherlands |  | 51.3 | 49.5 | 50.2 | 52.1 |  | 0.8 |
| Norway |  | 50.3 | 48.0 | 48.2 | 51.6 |  | 1.3 |
| UK | 58.5 | 55.4 | 53.3 | 53.3 | 53.9 | -4.6 | -1.5 |
| USA |  |  |  |  |  |  |  |
|  | $1960 s$ | $1970 s$ | $1980 s$ | $1990 s$ | $2000 s$ | $\Delta 60 s$ | $\Delta 70 s$ |
| Women | 194.3 | 58.3 |  |  | 48.8 | -15.5 | -9.5 |
| France | 59.5 |  |  | 54.4 | 46.2 | -13.3 |  |
| Germany |  | 54.6 | 51.6 |  | 53.1 |  | -1.5 |
| Italy |  | 44.2 | 43.4 | 43.3 | 47.3 |  | 3.1 |
| Netherlands |  | 52.8 | 49.9 | 49.1 | 50.0 |  | -2.8 |
| Norway |  | 46.7 | 49.9 | 49.5 | 51.4 |  | 4.7 |
| UK | 56.4 | 54.6 | 53.1 | 52.4 | 55.3 | -1.1 | 0.7 |
| USA |  |  |  |  |  |  |  |

Table 27: Change in Core Combined by Age

|  | Change 1960s |  |  |  | Change 1970s |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| All | $15-24$ | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| France | -19.8 | -7.1 | -17.7 | -10.3 | -15.3 | -2.8 | -13.1 | -5.7 |
| Germany | -26.9 | -12.5 | -17.0 | -15.6 |  |  |  |  |
| Italy |  |  |  |  | -10.8 | -3.1 | -6.1 | -3.3 |
| Netherlands |  |  |  |  | 1.0 | 4.8 | -0.5 | 4.2 |
| Norway |  |  |  |  | -6.5 | -4.6 | -6.4 | -4.2 |
| UK |  |  |  |  | -3.3 | -0.1 | -5.3 | -0.6 |
| USA | -11.6 | -5.4 | -11.4 | -6.8 | -8.9 | -2.6 | -3.8 | -2.9 |

Change 1960s Change 1970s

| Men | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -15.6 | -10.6 | -23.0 | -12.0 | -11.9 | -4.8 | -16.7 | -6.4 |
| Germany | -24.2 | -12.3 | -19.2 | -15.2 |  |  |  |  |
| Italy |  |  |  |  | -10.8 | -2.4 | -6.5 | -3.1 |
| Netherlands |  |  |  |  | 4.0 | 6.8 | 2.6 | 7.0 |
| Norway |  |  |  |  | -4.6 | -1.6 | -4.5 | -1.5 |
| UK |  |  |  |  | -4.1 | -0.3 | -7.4 | -1.1 |
| USA | -13.9 | -5.5 | -13.9 | -7.6 | -9.0 | -2.5 | -3.3 | -2.7 |

Change 1960s
Change 1970s

| Women | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -24.2 | -3.7 | -11.9 | -8.6 | -18.9 | -0.8 | -9.6 | -5.1 |
| Germany | -29.9 | -12.2 | -14.3 | -15.5 |  |  |  |  |
| Italy |  |  |  |  | -10.6 | -3.9 | -5.5 | -3.5 |
| Netherlands |  |  |  |  | -2.1 | 2.6 | -3.6 | 1.3 |
| Norway |  |  |  |  | -8.5 | -7.6 | -8.0 | -6.8 |
| UK |  |  |  |  | -2.6 | 0.1 | -3.5 | -0.1 |
| USA | -9.7 | -5.3 | -9.3 | -6.1 | -8.8 | -2.6 | -4.7 | -3.3 |

Table 28: Change in Core Combined + Shopping by Age

|  | Change 1960s |  |  |  | Change 1970s |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| All | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| France | -21.2 | -7.5 | -18.1 | -10.8 | -18.1 | -4.5 | -13.8 | -7.4 |
| Germany | -25.4 | -10.6 | -13.6 | -13.3 |  |  |  |  |
| Italy |  |  |  |  | -11.7 | -3.8 | -6.1 | -3.7 |
| Netherlands |  |  |  |  | 1.5 | 5.6 | -0.5 | 4.9 |
| Norway |  |  |  |  | -4.3 | -2.0 | -3.9 | -1.8 |
| UK |  |  |  |  | -2.2 | 1.6 | -2.9 | 1.2 |
| USA | -9.4 | -3.5 | -9.5 | -4.7 | -9.7 | -1.7 | -1.7 | -2.2 |

Change 1960s Change 1970s

| Men | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -16.4 | -10.5 | -22.0 | -11.9 | -14.2 | -6.1 | -17.1 | -7.7 |
| Germany | -22.4 | -10.0 | -13.8 | -12.3 |  |  |  |  |
| Italy |  |  |  |  | -11.7 | -2.6 | -4.3 | -2.9 |
| Netherlands |  |  |  |  | 5.1 | 7.7 | 2.2 | 7.9 |
| Norway |  |  |  |  | -2.7 | 1.3 | -1.4 | 1.1 |
| UK |  |  |  |  | -2.8 | 1.8 | -4.3 | 1.1 |
| USA | -13.7 | -3.9 | -12.4 | -6.3 | -10.3 | -1.7 | -1.7 | -2.3 |

Change 1960s
Change 1970s

| Women | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -26.3 | -4.4 | -13.4 | -9.7 | -22.3 | -2.9 | -10.7 | -7.3 |
| Germany | -28.7 | -10.4 | -12.4 | -13.7 |  |  |  |  |
| Italy |  |  |  |  | -11.7 | -5.0 | -7.3 | -4.4 |
| Netherlands |  |  |  |  | -2.3 | 3.3 | -2.9 | 2.0 |
| Norway |  |  |  |  | -5.9 | -5.3 | -5.9 | -4.4 |
| UK |  |  |  |  | -1.8 | 1.3 | -1.3 | 1.4 |
| USA | -5.5 | -3.1 | -6.9 | -3.3 | -8.8 | -1.7 | -2.0 | -2.2 |

Table 29: Change in Total Combined by Age

|  | Change 1960s |  |  |  | Change 1970s |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| All | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| France | -24.1 | -8.7 | -20.0 | -12.6 | -18.5 | -4.8 | -14.7 | -7.8 |
| Germany | -24.9 | -8.9 | -10.5 | -11.6 |  |  |  |  |
| Italy |  |  |  |  | -9.6 | -2.2 | -3.3 | -1.8 |
| Netherlands |  |  |  |  | 2.0 | 5.8 | 0.2 | 5.5 |
| Norway |  |  |  |  | -6.9 | -1.8 | -4.0 | -2.0 |
| UK |  |  |  |  | -2.2 | 1.8 | -1.5 | 1.7 |
| USA | -10.3 | -2.8 | -7.5 | -4.1 | -10.2 | -1.4 | -0.5 | -1.9 |

Change 1960s
Change 1970s

| Men | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -21.6 | -11.9 | -23.6 | -14.2 | -15.5 | -7.4 | -17.8 | -8.8 |
| Germany | -21.8 | -8.4 | -9.9 | -10.4 |  |  |  |  |
| Italy |  |  |  |  | -9.8 | -1.9 | -2.7 | -1.7 |
| Netherlands |  |  |  |  | 5.5 | 7.3 | 4.8 | 8.2 |
| Norway |  |  |  |  | -6.2 | 0.1 | -2.1 | -0.2 |
| UK |  |  |  |  | -3.4 | 0.5 | -4.9 | 0.2 |
| USA | -15.2 | -3.8 | -10.1 | -6.2 | -11.9 | -2.4 | -1.7 | -3.0 |

Change 1960s
Change 1970s

| Women | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -26.5 | -5.6 | -15.7 | -10.7 | -21.7 | -2.3 | -11.6 | -6.8 |
| Germany | -28.3 | -9.0 | -10.3 | -12.4 |  |  |  |  |
| Italy |  |  |  |  | -9.2 | -2.6 | -3.5 | -1.9 |
| Netherlands |  |  |  |  | -1.8 | 4.3 | -4.3 | 2.5 |
| Norway |  |  |  |  | -7.5 | -3.6 | -5.5 | -3.7 |
| UK |  |  |  |  | -1.2 | 3.2 | 1.6 | 3.2 |
| USA | -6.0 | -1.9 | -5.2 | -2.4 | -8.4 | -0.5 | 0.3 | -1.0 |

Table 30: Change in Total Combined + Childcare by Age
Change 1960s
Change 1970s

| All | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -29.1 | -11.4 | -20.5 | -15.2 | -23.2 | -5.5 | -14.4 | -9.1 |
| Germany | -27.1 | -8.4 | -10.9 | -11.7 |  |  |  |  |
| Italy |  |  |  |  | -10.4 | -1.6 | -3.8 | -1.5 |
| Netherlands |  |  |  |  | 1.3 | 5.9 | 1.3 | 5.8 |
| Norway |  |  |  |  | -7.5 | -0.6 | -4.3 | -1.1 |
| UK |  |  |  |  | -1.8 | 3.6 | -1.6 | 3.0 |
| USA | -10.3 | -0.7 | -8.2 | -2.8 | -10.9 | 1.1 | -1.1 | -0.4 |

Change 1960s
Change 1970s

| Men | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -23.6 | -12.4 | -23.4 | -14.8 | -16.5 | -7.3 | -18.0 | -8.9 |
| Germany | -22.5 | -6.7 | -10.1 | -9.5 |  |  |  |  |
| Italy |  |  |  |  | -9.9 | -1.8 | -2.8 | -1.6 |
| Netherlands |  |  |  |  | 5.4 | 7.3 | 5.1 | 8.4 |
| Norway |  |  |  |  | -6.4 | 1.4 | -2.1 | 0.8 |
| UK |  |  |  |  | -3.2 | 1.9 | -4.7 | 1.3 |
| USA | -15.0 | -1.6 | -10.2 | -4.6 | -11.8 | -0.2 | -2.1 | -1.5 |

Change 1960s
Change 1970s

| Women | 15-24 | 25-54 | $55-64$ | Total | 15-24 | 25-54 | $55-64$ | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| France | -34.7 | -10.5 | -16.6 | -15.5 | -30.4 | -3.9 | -10.8 | -9.5 |
| Germany | -32.1 | -9.4 | -10.9 | -13.3 |  |  |  |  |
| Italy |  |  |  |  | -10.9 | -1.5 | -4.2 | -1.5 |
| Netherlands |  |  |  |  | -3.1 | 4.6 | -2.2 | 3.1 |
| Norway |  |  |  |  | -8.4 | -2.5 | -6.1 | -2.8 |
| UK |  |  |  |  | -0.5 | 5.2 | 1.4 | 4.7 |
| USA | -6.3 | 0.2 | -6.6 | -1.1 | -9.7 | 2.4 | -0.6 | 0.7 |






| All | 1960s |  |  | Table 34: Total Combined + Childcare by Age |  |  |  |  |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 | Total | 15-24 | 25-54 | 55-64 |  |
| France | $\begin{aligned} & \hline 53.2 \\ & 53.8 \end{aligned}$ | $\begin{aligned} & \hline \hline 65.6 \\ & 62.0 \end{aligned}$ | $\begin{aligned} & \hline \hline 56.4 \\ & 48.9 \end{aligned}$ | 60.9 | 47.2 | 59.7 | 50.3 | 54.8 | 24.0 | 54.2 | 35.9 | 45.7 |
| Germany |  |  |  | 57.8 |  |  |  |  | 26.7 | 53.6 | 38.0 | 46.1 |
| Italy |  |  |  |  | 34.0 | 58.5 | 48.6 | 50.7 | 23.6 | 56.9 | 44.9 | 49.2 |
| Netherlands |  |  |  |  | 34.6 | 48.8 | 38.8 | 43.5 | 35.9 | 54.7 | 40.1 | 49.3 |
| Norway |  |  |  |  | 41.2 | 57.1 | 50.4 | 52.1 | 33.7 | 56.5 | 46.1 | 51.0 |
| UK |  |  |  |  | 38.8 | 53.6 | 44.8 | 48.5 | 37.0 | 57.1 | 43.2 | 51.5 |
| USA | 46.8 | 61.6 | 57.1 | 57.4 | 47.4 | 59.8 | 49.9 | 55.0 | 36.5 | 60.9 | 48.9 | 54.6 |
| Men | 15-24 | 1960s |  | Total | 15-24 | 1970s |  | Total | 15-24 | 2000s |  | Total |
|  |  | 25-54 | 55-64 |  |  | 25-54 | 55-64 |  |  | 25-54 | 55-64 |  |
| France | 45.3 | 63.7 | 53.0 | 57.3 | 38.1 | 58.7 | 47.6 | 51.4 | 21.7 | 51.4 | 29.6 | 42.5 |
| Germany | 48.9 | 60.5 | 46.9 | 55.5 |  |  |  |  | 26.4 | 53.8 | 36.8 | 46.0 |
| Italy |  |  |  |  | 32.0 | 55.0 | 40.3 | 46.8 | 22.1 | 53.2 | 37.5 | 45.2 |
| Netherlands |  |  |  |  | 30.5 | 49.8 | 37.0 | 42.8 | 35.9 | 57.1 | 42.0 | 51.2 |
| Norway |  |  |  |  | 41.0 | 56.1 | 49.3 | 51.3 | 34.6 | 57.5 | 47.2 | 52.1 |
| UK |  |  |  |  | 39.0 | 55.6 | 47.9 | 50.3 | 35.9 | 57.6 | 43.2 | 51.6 |
| USA | 49.0 | 62.2 | 59.2 | 58.5 | 45.9 | 60.8 | 51.1 | 55.4 | 34.1 | 60.6 | 49.0 | 53.9 |
| Women | 15-24 | 1960s |  | Total | 15-24 | 1970s |  | Total | 15-24 | 2000s |  | Total |
|  |  | 25-54 | 55-64 |  |  | 25-54 | 55-64 |  |  | 25-54 | 55-64 |  |
| France | 61.0 | 67.6 | 58.5 | 64.3 | 56.7 | 60.9 | 52.8 | 58.3 | 26.3 | 57.0 | 42.0 | 48.8 |
| Germany | 59.2 | 62.7 | 50.1 | 59.5 |  |  |  |  | 27.2 | 53.3 | 39.2 | 46.2 |
| Italy |  |  |  |  | 36.0 | 62.0 | 56.1 | 54.6 | 25.1 | 60.5 | 51.9 | 53.1 |
| Netherlands |  |  |  |  | 38.9 | 47.7 | 40.4 | 44.2 | 35.8 | 52.3 | 38.1 | 47.3 |
| Norway |  |  |  |  | 41.2 | 57.9 | 51.3 | 52.8 | 32.8 | 55.4 | 45.2 | 50.0 |
| UK |  |  |  |  | 38.7 | 51.5 | 41.9 | 46.7 | 38.1 | 56.7 | 43.3 | 51.4 |
| USA | 45.3 | 61.0 | 55.3 | 56.4 | 48.6 | 58.8 | 49.2 | 54.6 | 38.9 | 61.2 | 48.6 | 55.3 |

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[^1]:    ${ }^{1}$ Recent papers that examine home hours include Aguiar and Hurst (2007), Ramey and Francis (2009), Ramey (2009), Freeman et al. (2005), Burda, Hamermesh and Weil (2008), Ragan (2013), Ngai and Pissarides (2011), and Gimenez-Nadal and Sevilla (2012).
    ${ }^{2}$ For examples, see Greenwood and Hercowitz (1991), Benhabib, Rogerson and Wright (1991), McGrattan, Rogerson and Wright (1997), and Campbell and Ludvigson (2001).
    ${ }^{3}$ Unfortunately, the frequency for which the data are available does not allow us to study the changes in home hours over the business cycle.
    ${ }^{4}$ For examples, see Ragan (2013), Rogerson (2008), Ngai and Pissarides (2008), Ngai and Pissarides (2011), and McDaniel (2011).

[^2]:    ${ }^{5}$ The Netherlands in the 1970s is an exception.

[^3]:    ${ }^{6}$ Estimates in this paper come from the W5.0, W55.2, W55.3, and W5.8 releases.
    ${ }^{7}$ The United States 1975 study surveyed individuals in multiple periods. Because the response rate of the individuals in follow-up periods was low, we include only the first entry of each individual in our estimates. This is consistent with Aguiar and Hurst's treatment of the 1975 survey.
    ${ }^{8}$ For some years, the data are only available in the release 5.0 format. This release includes only individu-

[^4]:    ${ }^{12}$ We exclude the "odd jobs" category from the core home work for two reasons: We follow Aguiar and Hurst's time allocation definitions as closely as possible, and "odd jobs" includes activities such as pet care that may or may not be considered leisure and have market-produced substitutes. Gardening is excluded from core home work for the same reasons.
    ${ }^{13}$ Time spent preparing meals for children and taking care of their clothing is included in core home work.

[^5]:    ${ }^{14}$ One common source for the aggregate hours worked is the Groningen Growth and Development Center (GGDC) Total Economy Database. See, for example, Ohanian, Raffo and Rogerson (2008)

[^6]:    ${ }^{15}$ The coefficient of variation is defined as the standard deviation normalized by the mean.
    ${ }^{16}$ The coefficient of variation for the core (total) market hours is $0.04,0.11,0.11,0.10,0.07(0.03,0.09$, $0.09,0.08,0.07)$ for men and $0.06,0.22,0.30,0.27,0.17(0.06,0.21,0.30,0.24,0.14)$ for women from the 1960s to the 2000s.

[^7]:    ${ }^{17}$ Ramey and Francis (2009) and Aguiar and Hurst (2007) also find a decrease in home hours for the U.S.

[^8]:    ${ }^{18}$ Aguiar and Hurst (2007) and Ramey and Francis (2009) find the same pattern for the U.S. and GimenezNadal and Sevilla (2012) find the same pattern for several European countries.

[^9]:    ${ }^{19}$ Freeman et al. (2005) find that there is more variation in the cross-country female time allocation using data for the 1990s.

[^10]:    ${ }^{20}$ The Netherlands is an exception for all four measures, and the U.K is an exception for the last three measures.

