



## Appendix 3 Notes on variables from surveys yet to be upgraded

The MTUS project developed as and remains a labour of love, increasing access to quality harmonised time use surveys to a wider range of data users. The process of converting a time use survey into this format takes a minimum of three weeks of work. MTUS does not charge users for this process, and the Centre for Time Use Research which maintains the MTUS includes few staff. As a result, the process of adding or upgrading surveys takes time, and we have placed more priority on adding new data over upgrading older data. Users should note a number of differences between older versions and the current version of the MTUS, detailed in the following table. Users should read this appendix in conjunction with Chapter 2 and Table 3.3 (which maps the old MTUS 41 activity categories to the new MTUS categories on which we base the 25 core activity categories).

| Version of MTUS and surveys | Countrya                    | Survey                          | Msamp                         |
|-----------------------------|-----------------------------|---------------------------------|-------------------------------|
| adapted from this verion    | Country or region of survey | Year survey began               | multiple samples in study     |
| W5.53 (from 2006)           |                             |                                 |                               |
| Denmark 1964, 1987          | Included in current MTUS    | Included in current MTUS        | Included in current MTUS      |
| Germany 2001-02             | format                      | format                          | format                        |
| Italy 2002-03               |                             |                                 |                               |
| W5.52 (from 2000)           |                             |                                 |                               |
| Canada 1971, 81, 86, 92, 98 | Adapted from old variable   | Reflects one of the survey      | Set to 0 for all surveys, was |
| Norway 1971, 81, 1990, 2000 | Country, direct swap of old | years, but not necessarily the  | not in the MTUS version       |
| Slovenia/Yugoslavia 2000    | for new values              | first year of the survey        |                               |
| United Kingdom 1961         |                             |                                 |                               |
| W50 (pre 2000)              |                             |                                 |                               |
| France 1965, 1974-75        | Adapted from old variable   | Reflects one survey year, not   | East and West Germany         |
| Germany 1965                | Country, direct swap of old | necessarily the first year, was | distinguished, insufficient   |
| Italy 1979-90               | for new values              | 2 digits, 1900 added to make    | information to split Serbia   |
| Slovenia/Yugoslavia 1965    |                             | 4 digit year                    | from Slovenia                 |





| Version of MTUS and surveys | Hldid                           | Persid                        | ld                            |
|-----------------------------|---------------------------------|-------------------------------|-------------------------------|
| adapted from this verion    | Household identifier            | Person/diarist identifier     | Diary identifier              |
| W5.53 (from 2006)           |                                 |                               |                               |
| Denmark 1964, 1987          | Included in current MTUS        | Included in current MTUS      | = persid for surveys that     |
| Germany 2001-02             | format                          | format                        | collected 1 diary per         |
| Italy 2002-03               |                                 |                               | household                     |
| W5.52 (from 2000)           |                                 |                               |                               |
| Canada 1971, 81, 86, 92, 98 | Included in current MTUS        | Included in current MTUS      | = persid for surveys that     |
| Norway 1971, 81, 1990, 2000 | format                          | format                        | collected 1 diary per         |
| Slovenia/Yugoslavia 2000    |                                 |                               | household, except for         |
| United Kingdom 1961         |                                 |                               | Canada, where set to 1        |
| W50 (pre 2000)              |                                 |                               |                               |
| France 1965, 1974-75        | Set to 0 for all cases, was not | Set to the value of ID, which | Set to 1 for all cases        |
| Germany 1965                | included in this version        | was the only identifier and a | Was the only identifier and a |
| Italy 1979-90               | originally                      | diary case id only originally | diary case id only originally |
| Slovenia/Yugoslavia 1965    | -                               |                               |                               |

| Version of MTUS and surveys | Day                      | Month                           | Year                         |
|-----------------------------|--------------------------|---------------------------------|------------------------------|
| adapted from this verion    | Day of week diary kept   | Month diary kept                | Year diary kept              |
| W5.53 (from 2006)           | Included in current MTUS | Included in current MTUS        | Included in current MTUS     |
|                             | format                   | format                          | format                       |
| W5.52 (from 2000)           | Included in current MTUS | Included in current MTUS        | Included in current MTUS     |
|                             | format                   | format                          | format                       |
| W50 (pre 2000)              | Included in current MTUS | Set to -9, not included in this | Set = survey, originally not |
|                             | format                   | MTUS format                     | included in this MTUS format |





| Version of MTUS and surveys | Hhldsize                  | Nchild                       | Agekidx                         |
|-----------------------------|---------------------------|------------------------------|---------------------------------|
| adapted from this verion    | # of people in household  | # child aged<18 in household | Age youngest child in hhold     |
| W5.53 (from 2006)           |                           |                              |                                 |
| Denmark 1964, 1987          | Included in current MTUS  | Included in current MTUS     | Included in current MTUS        |
| Germany 2001-02             | format                    | format                       | format                          |
| Italy 2002-03               |                           |                              |                                 |
| W5.52 (from 2000)           |                           |                              | Covers groups 0-4, 5-12, 13-    |
| Canada 1971, 81, 86, 92, 98 | Included in current MTUS  | Included in current MTUS     | 17, but households with adult   |
| Norway 1971, 81, 1990, 2000 | format                    | format                       | children or no member who is    |
| Slovenia/Yugoslavia 2000    |                           |                              | child of another member not     |
| United Kingdom 1961         |                           |                              | distibguished                   |
| W50 (pre 2000)              | Adapted from HHTYPE       | Adapted from FAMSTAT         | Adapted from FAMSTAT            |
| France 1965, 1974-75        | 1 person household = 1    | Adult with no child = 0      | Adult with no child = $-7$      |
| Germany 1965                | Couple alone = 2          | Adult living with child = 1  | Adult living with child aged <5 |
| Italy 1979-90               | Couple + others and other |                              | = 1 (aged 0-4); Adult living    |
| Slovenia/Yugoslavia 1965    | household types = 3       |                              | with older child = 3            |

| Version of MTUS and surveys | Income                     | Urban                           | Sex                      |
|-----------------------------|----------------------------|---------------------------------|--------------------------|
| adapted from this verion    | Total household income     | Urban or rural household        | Sex                      |
| W5.53 (from 2006)           | Included in current MTUS   | Included in current MTUS        | Included in current MTUS |
|                             | format                     | format                          | format                   |
| W5.52 (from 2000)           | Included in current MTUS   | Included in current MTUS        | Included in current MTUS |
|                             | format                     | format                          | format                   |
| W50 (pre 2000)              | Included in current MTUS   | Set to -9, not included in this | Included in current MTUS |
|                             | format, but only for Fance | MTUS format                     | format                   |
|                             | 1974-75                    |                                 |                          |





| Version of MTUS and surveys | Age                         | Civstat                          | Empstat                        |
|-----------------------------|-----------------------------|----------------------------------|--------------------------------|
| adapted from this verion    | Age                         | Is diarist in a couple or single | Employment status              |
| W5.53 (from 2006)           |                             |                                  |                                |
| Denmark 1964, 1987          | Included in current MTUS    | Included in current MTUS         | Included in current MTUS       |
| Germany 2001-02             | format                      | format                           | format                         |
| Italy 2002-03               |                             |                                  |                                |
| W5.52 (from 2000)           |                             |                                  |                                |
| Canada 1971, 81, 86, 92, 98 | Included in current MTUS    | Included in current MTUS         | Included in current MTUS       |
| Norway 1971, 81, 1990, 2000 | format                      | format                           | format                         |
| Slovenia/Yugoslavia 2000    |                             |                                  |                                |
| United Kingdom 1961         |                             |                                  |                                |
| W50 (pre 2000)              |                             |                                  |                                |
| France 1965, 1974-75        | Only ages 20 to 59 included | Included in current MTUS         | Only covers full-time          |
| Germany 1965                | in this version of the MTUS | format                           | employed, part-time            |
| Italy 1979-90               |                             |                                  | employed, not working, see     |
| Slovenia/Yugoslavia 1965    |                             |                                  | Chapter 2 for other variations |

| Version of MTUS and surveys | Workhrs                   | EmpincIm                        | Edcat                      |
|-----------------------------|---------------------------|---------------------------------|----------------------------|
| adapted from this verion    | Hours paid work last week | Monthly labour income           | Highest level of education |
| W5.53 (from 2006)           | Included in current MTUS  | Included in current MTUS        | Renamed EDTRY, otherwise   |
|                             | format                    | format                          | in current MTUS format     |
| W5.52 (from 2000)           | Included in current MTUS  | Included in current MTUS        | Renamed EDTRY, otherwise   |
|                             | format                    | format                          | in current MTUS format     |
| W50 (pre 2000)              | Included in current MTUS  | Set to -9, not included in this | Renamed EDTRY, otherwise   |
|                             | format                    | MTUS format                     | in current MTUS format     |





| Version of MTUS and surveys | Sleep                    | Eatdrink                 | Selfcare                   |
|-----------------------------|--------------------------|--------------------------|----------------------------|
| adapted from this verion    | Sleep and naps           | Meals or snacks          | Wash, dress, care for self |
| W5.53 (from 2006)           |                          |                          |                            |
| Denmark 1964, 1987          | AV16, largely similar to | AV15, largely similar to | AV13, largely similar to   |
| Germany 2001-02             | current MTUS version     | current MTUS version     | current MTUS version       |
| Italy 2002-03               |                          |                          |                            |
| W5.52 (from 2000)           |                          |                          |                            |
| Canada 1971, 81, 86, 92, 98 | AV16, largely similar to | AV15, largely similar to | AV13, largely similar to   |
| Norway 1971, 81, 1990, 2000 | current MTUS version     | current MTUS version     | current MTUS version       |
| Slovenia/Yugoslavia 2000    |                          |                          |                            |
| United Kingdom 1961         |                          |                          |                            |
| W50 (pre 2000)              |                          |                          |                            |
| France 1965, 1974-75        | AV16, largely similar to | AV15, largely similar to | AV13, largely similar to   |
| Germany 1965                | current MTUS version     | current MTUS version     | current MTUS version       |
| Italy 1979-90               |                          |                          |                            |
| Slovenia/Yugoslavia 1965    |                          |                          |                            |

| Version of MTUS and surveys | Paidwork                        | Educatn                      | Foodprep                        |
|-----------------------------|---------------------------------|------------------------------|---------------------------------|
| adapted from this verion    | Paid work & related activities  | Education, homework          | Cook, wash/put away dishes      |
| W5.53 (from 2006)           | AV1 + 2 + 3, includes some      | AV4 + 33, largely similar to | AV6, largely similar to current |
|                             | variations, like eating at work | current MTUS version         | MTUS version                    |
| W5.52 (from 2000)           | AV1 + 2 + 3, includes some      | AV4 + 33, largely similar to | AV6, largely similar to current |
|                             | variations, like eating at work | current MTUS version         | MTUS version                    |
| W50 (pre 2000)              | AV1 + 2 + 3, includes some      | AV4 + 33, largely similar to | AV6, largely similar to current |
|                             | variations, like eating at work | current MTUS version         | MTUS version                    |





| Version of MTUS and surveys | Cleanetc                        | Maintain                       | Shopserv                      |
|-----------------------------|---------------------------------|--------------------------------|-------------------------------|
| adapted from this verion    | Cleaning, laundry, housework    | Repair home/car, collect fuel  | Purchase goods, services      |
|                             |                                 |                                |                               |
| W5.53 (from 2006)           | AV7, largely similar to current | AV8, significant differences,  |                               |
| Denmark 1964, 1987          | MTUS version, missing           | includes pet care, elder care, | AV10 + 14, largely similar to |
| Germany 2001-02             | household management (in        | household management as        | current MTUS version          |
| Italy 2002-03               | maintain)                       | well as repairs, collect fuel  |                               |
| W5.52 (from 2000)           | AV7, largely similar to current | AV8, significant differences,  |                               |
| Canada 1971, 81, 86, 92, 98 | MTUS version, missing           | includes pet care, elder care, | AV10 + 14, largely similar to |
| Norway 1971, 81, 1990, 2000 | household management (in        | household management as        | current MTUS version          |
| Slovenia/Yugoslavia 2000    | maintain)                       | well as repairs, collect fuel  |                               |
| United Kingdom 1961         | ,                               | • •                            |                               |
| W50 (pre 2000)              | AV7, largely similar to current | AV8, significant differences,  |                               |
| France 1965, 1974-75        | MTUS version, missing           | includes pet care, elder care, | AV10 + 14, largely similar to |
| Germany 1965                | household management (in        | household management as        | current MTUS version          |
| Italy 1979-90               | maintain)                       | well as repairs, collect fuel  |                               |
| Slovenia/Yugoslavia 1965    |                                 | -                              |                               |

| Version of MTUS and surveys | Garden                        | Petcare                      | Eldcare                       |
|-----------------------------|-------------------------------|------------------------------|-------------------------------|
| adapted from this verion    | Gardening, hunt, fish, forage | Pet care, includes walk dogs | Look after adult needing care |
| W5.53 (from 2006)           | AV9, only gardening, no hunt, | Not distinguished for these  | Not distinguished for these   |
|                             | fish or forage                | surveys                      | surveys                       |
| W5.52 (from 2000)           | AV9, only gardening, no hunt, | Not distinguished for these  | Not distinguished for these   |
|                             | fish or forage                | surveys                      | surveys                       |
| W50 (pre 2000)              | AV9, only gardening, no hunt, | Not distinguished for these  | Not distinguished for these   |
|                             | fish or forage                | surveys                      | surveys                       |





| Version of MTUS and surveys | Pkidcare                     | Ikidcare                    | Religion                      |
|-----------------------------|------------------------------|-----------------------------|-------------------------------|
| adapted from this verion    | Physical, routine child care | Interactive child care      | Worship, religion, and prayer |
| W5.53 (from 2006)           |                              |                             |                               |
| Denmark 1964, 1987          | AV11, covers all child care  | Not distinguished for these | AV22, largely similar to      |
| Germany 2001-02             |                              | surveys                     | current MTUS version          |
| Italy 2002-03               |                              |                             |                               |
| W5.52 (from 2000)           |                              |                             |                               |
| Canada 1971, 81, 86, 92, 98 | AV11, covers all child care  | Not distinguished for these | AV22, largely similar to      |
| Norway 1971, 81, 1990, 2000 |                              | surveys                     | current MTUS version          |
| Slovenia/Yugoslavia 2000    |                              |                             |                               |
| United Kingdom 1961         |                              |                             |                               |
| W50 (pre 2000)              |                              |                             |                               |
| France 1965, 1974-75        | AV11, covers all child care  | Not distinguished for these | AV22, largely similar to      |
| Germany 1965                |                              | surveys                     | current MTUS version          |
| Italy 1979-90               |                              |                             |                               |
| Slovenia/Yugoslavia 1965    |                              |                             |                               |

| Version of MTUS and surveys | Volorgwk                      | Commute                         | Travel                        |
|-----------------------------|-------------------------------|---------------------------------|-------------------------------|
| adapted from this verion    | Voluntary, organisational act | Travel to/from work or school   | Other travel                  |
| W5.53 (from 2006)           | AV23, largely similar to      | AV5, largely similar to current | AV12 + 17, largely similar to |
|                             | current MTUS version          | MTUS version                    | current MTUS version          |
| W5.52 (from 2000)           | AV23, largely similar to      | AV5, largely similar to current | AV12 + 17, largely similar to |
|                             | current MTUS version          | MTUS version                    | current MTUS version          |
| W50 (pre 2000)              | AV23, largely similar to      | AV5, largely similar to current | AV12 + 17, largely similar to |
|                             | current MTUS version          | MTUS version                    | current MTUS version          |





| Version of MTUS and surveys | Sportex                       | TVradio                   | Read                          |
|-----------------------------|-------------------------------|---------------------------|-------------------------------|
| adapted from this verion    | Sport or exercise             | Watch TV, listen to radio | Read                          |
| W5.53 (from 2006)           |                               |                           |                               |
| Denmark 1964, 1987          | AV19 + 21, largely similar to | AV30 + 31 + 32, largely   | AV34 + 35, largely similar to |
| Germany 2001-02             | current MTUS version, but     | similar to current MTUS   | current MTUS version          |
| Italy 2002-03               | includes hunt and fish        | version                   |                               |
| W5.52 (from 2000)           |                               |                           |                               |
| Canada 1971, 81, 86, 92, 98 | AV19 + 21, largely similar to | AV30 + 31 + 32, largely   | AV34 + 35, largely similar to |
| Norway 1971, 81, 1990, 2000 | current MTUS version, but     | similar to current MTUS   | current MTUS version          |
| Slovenia/Yugoslavia 2000    | includes hunt and fish        | version                   |                               |
| United Kingdom 1961         |                               |                           |                               |
| W50 (pre 2000)              |                               |                           |                               |
| France 1965, 1974-75        | AV19 + 21, largely similar to | AV30 + 31 + 32, largely   | AV34 + 35, largely similar to |
| Germany 1965                | current MTUS version, but     | similar to current MTUS   | current MTUS version          |
| Italy 1979-90               | includes hunt and fish        | version                   |                               |
| Slovenia/Yugoslavia 1965    |                               |                           |                               |

| Version of MTUS and surveys | Compint                     | Sppart                      |  |
|-----------------------------|-----------------------------|-----------------------------|--|
| adapted from this verion    | E-mail, web, program, games | Time with spouse or partner |  |
| W5.53 (from 2006)           | Not distinguished for these | Not distinguished for these |  |
|                             | surveys                     | surveys                     |  |
| W5.52 (from 2000)           | Not distinguished for these | Not distinguished for these |  |
|                             | surveys                     | surveys                     |  |
| W50 (pre 2000)              | Not distinguished for these | Not distinguished for these |  |
|                             | surveys                     | surveys                     |  |





| Version of MTUS and surveys | Goout                       | Leisure                        | Missing                  |
|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| adapted from this verion    | Away from home leisure      | Other free time leisure        | No activity reported     |
| W5.53 (from 2006)           |                             |                                |                          |
| Denmark 1964, 1987          | AV18 + 20 + 24 + 25 + 26 +  | AV29 + 36 + 37 + 38 + 39 +     | AV41, largely similar to |
| Germany 2001-02             | 27 + 28, largely similar to | 40, largely similar to current | current MTUS version     |
| Italy 2002-03               | current MTUS version        | MTUS version                   |                          |
| W5.52 (from 2000)           |                             |                                |                          |
| Canada 1971, 81, 86, 92, 98 | AV18 + 20 + 24 + 25 + 26 +  | AV29 + 36 + 37 + 38 + 39 +     | AV41, largely similar to |
| Norway 1971, 81, 1990, 2000 | 27 + 28, largely similar to | 40, largely similar to current | current MTUS version     |
| Slovenia/Yugoslavia 2000    | current MTUS version        | MTUS version                   |                          |
| United Kingdom 1961         |                             |                                |                          |
| W50 (pre 2000)              |                             |                                |                          |
| France 1965, 1974-75        | AV18 + 20 + 24 + 25 + 26 +  | AV29 + 36 + 37 + 38 + 39 +     | AV41, largely similar to |
| Germany 1965                | 27 + 28, largely similar to | 40, largely similar to current | current MTUS version     |
| Italy 1979-90               | current MTUS version        | MTUS version                   |                          |
| Slovenia/Yugoslavia 1965    |                             |                                |                          |

Propwt, the weight variable, was the same in the W552 and W553 versions as it remains in the current version. The weight is a renamed Sedwt2 weight (see Chapter 2 for an explanation).