# Compendium of Physical Activities: an update of activity codes and MET intensities

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Department of Epidemiology and Biostatistics, Department of Exercise Science, School of Public Health, University of South Carolina, Columbia, SC 29208; Stanford Center for Research in Disease Prevention, School of Medicine, Stanford University, Palo Alto, CA 94304; Division of Kinesiology, School of Kinesiology and Leisure Studies, University of Minnesota, Minneapolis, MN 55454; Division of Epidemiology, School of Public Health, University of Minnesota, Minneapolis, MN 55455; Department of Exercise Science and Sport Management, University of Tennessee, Knoxville, TN 37996; Department of Human Performance, University of Alabama, Tuscaloosa, AL 35487

### ABSTRACT

AINSWORTH, B. E,., W. L. HASKELL, M. C. WHITT, M. L. IRWIN, A. M. SWARTZ, S. J. STRATH, W. L. O'BRIEN, D. R. BASSETT, JR., K. H. SCHMITZ, P. O EMPLAINCOURT, D. R. JACOBS, JR., and A. S. LEON. Compendium of physical activities: an update of activity codes and MET intensities. *Med. Sci. Sports Exerc.*, Vol. 32, No. 9, Suppl., pp. S498–S516, 2000. We provide an updated version of the Compendium of Physical Activities, a coding scheme that classifies specific physical activity (PA) by rate of energy expenditure. It was developed to enhance the comparability of results across studies using self-reports of PA. The Compendium coding scheme links a five-digit code that describes physical activities by major headings (e.g., occupation, transportation, etc.) and specific activities within each major heading with its intensity, defined as the ratio of work metabolic rate to a standard resting metabolic rate (MET). Energy expenditure in MET-minutes, MET-hours, kcal, or kcal per kilogram body weight can be estimated for specific activities by type or MET intensity. Additions to the Compendium were obtained from studies describing daily PA patterns of adults and studies measuring the energy cost of specific physical activities in field settings. The updated version includes two new major headings of volunteer and religious activities, extends the number of specific activities from 477 to 605, and provides updated MET intensity levels for selected activities. **Key Words:** EXERCISE, EXERTION, ENERGY EXPENDITURE

he Compendium of Physical Activities was developed to facilitate the coding of physical activities (PAs) obtained from PA records, logs, and surveys and to promote comparison of coded physical activity intensity levels across observational studies (1). The Compendium provides a coding scheme that links a five-digit code, representing the specific activities performed in various settings, with their respective metabolic equivalent (MET) intensity levels. Using the definition for a MET as the ratio of work metabolic rate to a standard resting metabolic rate of 1.0 (4.184 kJ)·kg<sup>-1</sup>·h<sup>-1</sup>, 1 MET is considered a resting metabolic rate obtained during quiet sitting. Activities are listed in the Compendium as multiples of the resting MET level and range from 0.9 (sleeping) to 18 METs (running at 10.9 mph).

We provide an update of the initial Compendium of Physical Activities, developed in 1989 and published in 1993. The updated Compendium reflects additional activities identified by researchers in the past 10 years and presents measured MET intensities for some activities in which METs were estimated from similar activities. The updated Compendium also reflects public health interests in evaluating the contributions of various types of physical activity to daily energy expenditure by providing additional categories for activities done during the day.

The initial Compendium has received widespread acceptance among PA specialists in the exercise science and public health fields. For example, in the United States, the coding scheme has been used to identify MET intensities for PAs in the third National Health and Nutrition Examination Survey (6), the 1991 National Health Interview Survey (11), the Paffenbarger College Alumni Study (15), and to evaluate the accuracy of the Minnesota Leisure Time Physical Activity Questionnaire (MN-LTPA) (26). Internationally, the Compendium has been used to identify MET intensities for activities listed in the MONICA Optional Survey of Physical Activity (MOSPA) (12). The coding scheme and MET intensities for activities listed in the Compendium of Physical Activities also have been published as an appendix or abstracted as a chart in several books (18–20,34).

In their landmark 1995 paper that presents the recommendation of the Centers for Disease Control and Prevention

(CDC) and the American College of Sports Medicine (ACSM) for adults to accumulate at least 30 min of regular, moderate-intensity physical activity on most days of the week, Pate et al. (23) cite the Compendium as a reference that researchers, clinicians, and practitioners can use to identify examples of moderate intensity physical activities.

The updated Compendium includes two additional major headings and 129 new specific activities. It also provides modifications of 94 codes in the 1993 Compendium, adding or deleting specific activities or providing updated MET levels. The new major headings and most of the specific activities were identified from studies using PA records to identify daily PA habits among adults (2,3) and from personal communications from other investigators who reported activities omitted from the initial Compendium. Updated MET levels were obtained from laboratory and field studies designed to measure the energy cost for specific PAs (4,7-9,16,17,21,22,24,27-30,32,35,37). We have also clarified the meaning of the letter T followed by three numbers (i.e., T010) as activities and their associated MET levels defined by Dr. Henry Taylor for the MN-LTPA (31). The letter T is now replaced by the words Taylor Code and followed by the MN-LTPA survey item number (e.g., Taylor Code 010). In this paper we present the updated Compendium of Physical Activities (Appendix 1) and recommendations for its implementation to identify PA habits using PA records.

# **CODING SCHEME**

**Activity coding.** The reader is referred to the 1993 published version of the Compendium (1) for a detailed description of the coding scheme, organization, and methods used to calculate the energy cost of PAs. Briefly, the Compendium is organized to maximize flexibility in coding, data entry, and interpretation of energy cost for each class and type of PA. The coding scheme employs a five-digit code to categorize activities by their major purpose or heading (first two digits), specific activity (last three digits), and intensity (separate two- or three-digit column). For example, the five-digit code, 06100, is defined as follows:

| Major Heading | Specific Activity | MET intensity |  |
|---------------|-------------------|---------------|--|
| 06            | 100               | 5.0           |  |
| Home Repair   | Cleaning Gutters  |               |  |

Based on the model proposed by Pate et al. (23) for classifying the MET intensity of PAs (light, < 3 METs; moderate, 3–6 METs; vigorous, > 6 METs), the activity code 06100 is classified as moderate intensity.

**Major headings.** Two additional major headings were added to the updated Compendium of Physical Activities for a total of 21 major types of PAs (Table 1).

The two new categories, religious activities and volunteer activities, were identified from the use of PA records in the Cross-Cultural Activity Participation Study (CAPS) (2). CAPS was an observational study of PA habits among African American, Native American, and Caucasian

TABLE 1. Major types of activities in Version 2 of the Compendium of Physical Activities; new major headings are italicized.

| 01-Bicycling              | 08-Lawn and Garden | 15-Sports               |
|---------------------------|--------------------|-------------------------|
| 02-Conditioning Exercises | 09-Miscellaneous   | 16-Transportation       |
| 03-Dancing                | 10-Music Playing   | 17-Walking              |
| 04-Fishing and Hunting    | 11–Occupation      | 18-Water Activities     |
| 05-Home Activities        | 12-Running         | 19–Winter Activities    |
| 06-Home Repair            | 13-Self Care       | 20-Religious Activities |
| 07-Inactivity             | 14-Sexual Activity | 21-Volunteer Activities |

women, ages 40 yr and older. The new categories include 43 specific activities that are culturally and socially relevant among ethnic minorities and/or older adults. Religious and ceremonial activities play a central role in the lives of many older adults, especially among ethnic minority groups (5). Among retired people and others not employed in occupational settings, volunteer activities also commonly represent an important contribution to daily energy expenditure.

Specific activities. The updated Compendium contains 605 specific activities, including 129 new activities added to the 1993 Compendium. Modifications were also made to 94 PAs listed in the 1993 Compendium, which involved adding or deleting specific activities associated with each code. For example, for the code 08030, lawn and garden activities, the phrase "wheelbarrow chores" was added to the 1993 Compendium's specifications of clearing land and hauling branches. In other cases, activities were removed from existing codes and new codes were developed if the removed activities had a different MET level or were qualitatively different from other specific activities listed for the code. For example, the 1993 Compendium listed mopping as a specific activity in code 05020, home activities. However, Emplaincourt (7) measured the MET intensity for mopping as 3.5 METs and the MET intensity for the other activities in the code was listed as 3.0 METs. Thus, mopping was deleted from code 05020 and a new code, 05021, was created. Another example is watching television. In 1993, watching television was coded as 07010 (reclining) or 07020 (sitting) and was grouped with other specific activities that involved sitting quietly (i.e., riding in a car, listening to a lecture or to music) or reclining and doing nothing. Because watching television is a sedentary but modifiable leisure time activity that may be related to the increased prevalence of physical inactivity (36), overweight, and obesity in the United States (13,14), the authors felt that watching television should have a separate code to monitor time spent in this activity. In the updated Compendium, the codes 07010 and 07020 refer to watching television only. New codes have been added for the remaining inactive reclining (07011) and sitting (07021) activities. Table 2 presents the new five-digit codes, and Table 3 presents the modifications for existing codes as incorporated in the updated Compendium.

**Intensity of activities.** All activities are assigned an intensity level based on the rate of energy expenditure expressed as METs. Intensity of activities in the Compendium is classified as multiples of 1 MET or as the ratio of the associated metabolic rate for the specific activity divided

TABLE 2. New codes in Version 2 of the Compendium of Physical Activities.

| Major Heading                                 | Code Number    | METs       | Example  |
|---|----------------|------------|--|
| Bicycling                                     | 01015          | 8.0        | Bicycling, general   |
| Conditioning Exercises                        | 02101          | 2.5        | Mild stretching  |
| Dancing                                       | 03016          | 8.5        | Aerobic, step, with 6–8 inch step  |
|   | 03017          | 10.0       | Aerobic, step, with 10–12 inch step  |
|   | 03031          | 4.5        | Disco, folk, square, line dancing, Irish step dancing, polka, contra, and country dancing.                           |
|   | 03050          | 5.5        | Anishinaabe Jingle Dancing or other traditional American Indian dancing  |
| lome Activities                               | 05021          | 3.5        | Mopping  |
|   | 05025          | 2.5        | Multiple household tasks all at once, light effort   |
|   | 05026          | 3.5        | Multiple household tasks all at once, moderate effort  |
|   | 05027          | 4.0        | Multiple household tasks all at once, vigorous effort  |
|   | 05043          | 3.5        | Vacuuming  |
|   | 05045          | 6.0        | Butchering animals   |
|   | 05053          | 2.5        | Feeding animals  |
|   | 05148          | 2.5        | Watering plants  |
|   | 05149          | 2.5        | Building a fire inside   |
|   | 05181          | 3.0        | Carrying small children  |
|   | 05187          | 4.0        | Elder care, disabled adults, only active periods   |
|   | 05188          | 1.5        | Reclining with baby  |
|   | 05190          | 2.5        | Sitting, playing with animals, light, only active periods  |
|   | 05191          | 2.8        | Standing, playing with animals, light, only active periods   |
|   | 05192          | 2.8        | Walk/run, playing with animals, light, only active periods   |
|   | 05193          | 4.0        | Walk/run, playing with animals, moderate, only active periods  |
|   | 05194          | 5.0        | Walk/run, playing with animals, vigorous, only active periods  |
|   | 05195          | 3.5        | Standing-bathing dog   |
| Lawn and Garden                               | 06165          | 4.5        | Painting (Taylor Code 630)   |
| nactivity                                     | 07011          | 1.0        | Lying queitly, done nothing, lying in bed awake, listening to music (not talking or reading)                         |
|   | 07021          | 1.0        | Sitting quietly, sitting smoking, listening to music (not talking or reading), watching a movie in a theater         |
| awn and Garden                                | 08125          | 4.5        | Mowing lawn, power mower (Taylor Code 590)   |
|   | 08165          | 4.0        | Raking lawn (Taylor Code 600)  |
| C   | 04246          | 3.0        | Picking fruit off trees, picking fruits/vegetables, moderate effort  |
| Miscellaneous                                 | 09071          | 2.0        | Standing-miscellaneous   |
|   | 09075          | 1.5        | Sitting—arts and crafts, light effort  |
|   | 09080          | 2.0        | Sitting—arts and crafts, moderate effort   |
|   | 09085          | 1.8        | Standing—arts and crafts, light effort   |
|   | 09090          | 3.0        | Standing—arts and crafts, moderate effort  |
|   | 09095          | 3.5        | Standing—arts and crafts, vigorous effort  |
|   | 09100          | 1.5        | Retreat/family reunion activities involving sitting, relaxing, talking, eating                                       |
|   | 09105          | 2.0        | Touring/traveling/vacation involving walking and riding  |
|   | 09110          | 2.5        | Camping involving standing, walking, sitting, light-to-moderate effort   |
| )ation  | 09115          | 1.5        | Sitting at a sporting event, spectator   |
| Occupation                                    | 11015          | 2.5        | Bakery, light effort   |
|   | 11121          | 3.0        | Custodial, buffing the floor with an electric buffer   |
|   | 11122          | 2.5        | Custodial, cleaning sink and toilet, light effort  |
|   | 11123          | 2.5        | Custodial, dusting, light effort   |
|   | 11124<br>11125 | 4.0<br>3.5 | Custodial, feathering arena floor, moderate effort<br>Custodial, general cleaning, moderate effort                   |
|   | 11125          | 3.5        | Custodial, mopping, moderate effort  |
|   | 11127          | 3.0        | Custodial, take out trash, moderate effort   |
|   | 11127          | 2.5        | Custodial, vacuuming, light effort   |
|   | 11129          | 3.0        | Custodial, vacuuming, moderate effort  |
|   | 11151          | 4.0        | Farming, chasing cattle or other livestock on horseback, moderate effort   |
|   | 11152          | 2.0        | Farming, chasing cattle or other livestock, driving, light effort  |
|   | 11191          | 6.0        | Farming, taking care of animals (grooming, brushing, shearing sheep, assisting with birthing, medical care, branding |
|   | 11495          | 12.0       | Skin diving or SCUBA diving as a frogman (Navy Seal)   |
|   | 11615          | 4.0        | Lifting items continuously, 10–20 lbs, with limited walking or resting   |
|   | 11765          | 3.5        | Tailoring, weaving   |
|   | 11796          | 3.0        | Walking, gathering things at work, ready to leave  |
|   | 11805          | 4.0        | Walking, pushing a wheelchair  |
| Running                                       | 12027          | 4.5        | Jogging on a mini-trampoline   |
| Self Care                                     | 13036          | 1.0        | Taking medication, sitting or standing   |
|   | 13045          | 2.5        | Hairstyling  |
|   | 13046          | 1.0        | Having hair or nails done by someone else, sitting   |
| Sports  | 15265          | 4.5        | Golf, walking and carrying clubs   |
|   | 15285          | 4.3        | Golf, walking and pulling clubs  |
|   | 15591          | 12.5       | Roller blading (in-line skating)   |
|   | 15685          | 5.0        | Tennis, doubles play   |
|   | 15711          | 8.0        | Volleyball, competitive play in a gymnasium  |
|   | 15732          | 4.0        | Track and field (shot, discus, hammer throw)   |
|   | 15733          | 6.0        | Track and field (high jump, long jump, triple jump, javelin, pole vault)   |
|   | 15734          | 10.0       | Track and field (steeplechase, hurdles)  |
| Transportation Transportation                 | 16015          | 1.0        | Riding in a car or truck   |
|   | 16016          | 1.0        | Riding in a bus  |
| Valking                                       | 17031          | 3.0        | Loading/unloading a car  |
| -   | 17085          | 2.5        | Bird watching  |
|   | 17105          | 4.0        | Pushing a wheelchair, non occupational setting   |
|   | 17151          | 2.0        | Walking, less than 2.0 mph, level ground, strolling, very slow   |
|   | 17152          | 2.5        | Walking, 2.0 mph, level, slow pace, firm surface   |
|   | 17161          | 2.5        | Walking from house to car or bus, from car or bus to go places, from car or bus to and from the work site            |
|   | 17162          | 2.5        | Walking to neighbor's house or family's house for social reasons   |
|   | 17165          | 3.0        | Walking the dog  |
|   | 17231          | 8.0        | Walking, 5.0 mph   |
|   | 17280          | 2.5        | Walking to and from an outhouse  |
| Water Activities                              | 18025          | 3.3        | Canoeing, harvesting wild rice, knocking rice off the stalks   |
|   | 18355          | 4.0        | Water aerobics, water calisthenics   |
|   | 18366          | 8.0        | Water jogging  |
| O - U - i - · · · · · · · · · · · · · · · · · | 20000–20100    | 0.0        | Addition of 24 new codes and description of activities   |
| Religious Activities                          |                |            |  |

TABLE 3. Modified codes in Version 2 of the Compendium of Physical Activities.

| Major Heading                       | Code Number    | Modification Made   |
|-------------------------------------|----------------|---|
| Bicycling<br>Conditioning Exercises | 01010<br>02010 | Removed word "general" from the description of activities<br>Changed MET level from 5.0 to 7.0  |
| Conditioning Exercises              | 02020          | Added "jumping jacks" to the description of activities  |
|                                     | 02030<br>02040 | Changed MET level from 4.5 to 3.5   |
|                                     | 02065          | Added "including some aerobic movement with minimal rest" to the description of activities Changed MET level from 6.0 to 9.0  |
|                                     | 02070          | Changed MET level form 9.5 to 7.0   |
|                                     | 02080<br>02090 | Changed MET level from 9.5 to 7.0<br>Added "jazzercise" to the description of activities  |
| Danaina                             | 02100          | Changed MET level from 4.0 to 2.5   |
| Dancing                             | 03010<br>03015 | Changed MET level from 6.0 to 4.8; Added "jazz, tap, jitterbug" to the description of activites Changed MET level from 6.0 to 6.5   |
|                                     | 03025          | Added "Greek, Middle Eastern, hula, flamenco, belly, and swing dancing" to the description of activities  |
|                                     | 03030<br>03040 | Changed description of activities to "ballroom dancing fast (Taylor Code 125)" Added "samba, tango, 19 <sup>th</sup> Century, mambo, chacha" to the description of activities                                   |
| Fishing and Hunting                 | 04001          | Changed MET level from 4 0 to 3 0   |
| Home Activities                     | 04020<br>05010 | Changed MET level from 5.0 to 4.0<br>Changed MET level from 2.5 to 3.3  |
|                                     | 05020          | Changed MET level from 4.5 to 3.0; Removed "mopping" from the description of activities   |
|                                     | 05030<br>05040 | Changed MET level from 3.5 to 3.0 Removed "vacuuming" and "moderate effort" from the description of activities  |
|                                     | 05042          | Changed MET level from 2.3 to 2.5   |
|                                     | 05050<br>05055 | Changed MET level from 2.5 to 2.0; Added "manual appliances" to the description of activities  Added "carrying groceries" to the description of activities  |
|                                     | 05056          | Changed MET level from 8.0 to 7.5   |
|                                     | 05060<br>05066 | Changed MET level from 3.5 to 2.3; Changed description of activities to "food shopping with or without a groceyr cart, standing or walking"  Deleted this category for "Walking-shopping (non-grocery) shopping |
|                                     | 05120          | Added, "carrying boxes"   |
|                                     | 05130<br>05145 | Changed MET level from 5.5 to 3.8; Added activities "scrubbing bathroom, bathtub" to description of activities  Deleted this category for "moving household itesm, carrying boxes"                              |
|                                     | 05160          | Changed MET level from 2.5 to 2.0   |
|                                     | 05170<br>05171 | Added "only active periods" to the description of activities Added "only active periods" to the description of activities   |
|                                     | 05175          | Added "only active periods" to the description of activities  |
|                                     | 05180<br>05185 | Added "only active peridos" to the description of activities<br>Changed MET level from 3.0 to 2.5; Added "general" to the description of activities   |
|                                     | 05186          | Changed MET level from 3.5 to 3.0   |
| Home Repair                         | 06020<br>06050 | Changed MET level from 4.5 to 4.0 Added "building a fence" to the description of activities   |
|                                     | 06140          | Added "repairing appliances" to the description of activities   |
| Inactivity                          | 06230<br>07010 | Added "painting fence" to the description of activites Changed MET level from 0.9 to 1.0; Change description of activities to "lying quietly, watching television"  |
|                                     | 07020          | Changed description of activities to "Sitting quietly and watching television"  |
| Lawn and Garden                     | 08030<br>08050 | Added "wheelbarrow chores" to the description of activities Added "composting" to the description of activities   |
|                                     | 08060          | Removed "(see occupation, shoveling)" and added "chain saw"   |
|                                     | 08120<br>08140 | Changed MET level from 4.5 to 5.5; Removed "(Taylor Code 610)"<br>Changed MET level from 4.0 to 4.5   |
|                                     | 08160          | Changed MFT level from 4.0 to 4.3. Removed "(Taylor Code 600)"  |
|                                     | 08215<br>08245 | Added "Using leaf blower, edger" to description of activities<br>Changed MET level from 5.0 to 4.0  |
| Minnellandon                        | 08250          | Added "picking flowers or vegetables" to description of activities  |
| Miscellaneous                       | 09020<br>09040 | Change MET level from 2.0 to 2.3; Add "duplicating machine" to description of activities Added "typing" to description of activities  |
| Occupation                          | 11010          | Added "moderate effort" to the description of activities  |
|                                     | 11070<br>11140 | Added "making bed (nursing)" to the description of activities Added "vigorous effort" to the description of activities  |
|                                     | 11150          | Added "(walking), moderate effort" to the description of activities   |
|                                     | 11160<br>11190 | Added "cutting hay, irrigation work" to the description of activities  Added "horses" to the description of activities  |
|                                     | 11200          | Added "cleaning corral or barn, vigorous effort" to the description of activities   |
|                                     | 11220<br>11230 | Added "light effort" to the description of activities Added "moderate effort" to the description of activities  |
|                                     | 11528<br>11580 | Changed MET level from 8.0 to 4.0   |
|                                     | 11585          | Added "sitting, reading, driving at work" to the description of activities Added "eating at a business meeting" to the description of activities  |
|                                     | 11590<br>11600 | Added "teaching stretching or yoga"  Changed MET level from 2.5 to 2.3; Changed the description of activities to read "standing, light (bartending, store clerk, assembling, filing,                            |
|                                     |                | duplicating, putting up a Christmas tree, standing and talking at work, changing clothes when teaching physical education?  |
| Running                             | 11620<br>12160 | Added "intermittent" to the description of activities  Replaced "running" with "jogging"; Changed to code 12025   |
| Ť                                   | 12190          | Removed "wheelchair wheeling"   |
| Self Care<br>Sports                 | 13050<br>15250 | Changed MET level from 4.0 to 2.0<br>Changed MET level from 3.5 to 8.0  |
| ομυτο                               | 15260          | Deleted this code for the Taylor Code 090 for "golf, carrying clubs"  |
|                                     | 15280          | Deleted this code for the Taylor Code 080 for "golf, pulling clubs"   |
|                                     | 15380<br>15680 | Added "grooming horse" to the description of activities Represents Taylor Code 430 intensity level for doubles tennis   |
| Walking                             | 15710<br>17010 | Represents Taylor Code 400 intensity level for competitive volleyball Removed "general" from the description of activities  |
| Walking                             | 17100          | Added "or walk with children" to the description of activities  |
|                                     | 17140<br>17150 | Changed the mET level from 4.0 to 5.0   |
|                                     | 17150<br>17160 | Changed description of activities to "household walking" Changed the MET level from 2.5 to 3.5 and changed description of activities to "walking for pleasure (Taylor Code 010)"                                |
|                                     | 17180          | Changed the MET level from 3.0 to 2.8   |
|                                     | 17190<br>17200 | Changed the MET level from 3.5 to 3.3 Changed the MET level from 4.0 to 3.8; Added "walking for exercise" to the description of activities  |
|                                     | 17220          | Changed MET level from 4.0 to 5.0   |
|                                     | 17230<br>17250 | Changed MET level from 4.5 to 6.3 Removed "walking the dog" from the description of activities  |
| Water Activities                    | 18170          | Changed code number to Occupational, 11495  |
|                                     | 18240          | Changed MET level from 8.0 to 7.0   |

by a standard RMR. In the 1993 Compendium, MET values were assigned to each activity based on the "best representation" of an intensity level from published lists and selected unpublished data (1). For activities not in original lists or in other unpublished reports of the energy cost of physical activities, data were obtained from published literature and assigned a measured MET value or was estimated from similar activities with a known MET value (1).

MET levels for 42 activities in the updated Compendium were changed based on published and unpublished studies that measured the energy cost of PAs (4,7-9,16,17, 21,22,24,27–30,32,35,37). Since the publication of the 1995 Pate et al. (23) moderate activity recommendation, there has been widespread interest among health educators, clinicians, public health specialists, and fitness professionals to recommend types of activities that are classified as moderate intensity. There was some concern, however, that the MET levels for many household, lawn and garden, walking, and some occupational activities frequently performed by older adults, people of color, and women of all ages had not been objectively measured, but had been assigned estimated MET intensities. Thus, in 1997-1998, a series of studies were funded by the International Life Sciences Institute Research Foundation to measure the energy cost of selected household, lawn and garden, walking, recreational, and occupational activities using indirect calorimetry methods in laband field settings (4,9,29,30,35). Doctoral dissertations and other research studies have also focused on measuring the MET intensities of household, lawn and garden, cultural, and custodial activities (8,9,27,28).

Because changes in MET intensities for selected activities may change the energy cost of PA, investigators using the 1993 Compendium in cohort studies may wish to continue using the 1993 Compendium to compute the energy cost of activities. However, for newer activities, codes in the 2000 Compendium are appropriate for use.

As in the 1993 Compendium of Physical Activities, the updated Compendium provides data for adults without handicaps or other conditions that would significantly alter their mechanical or metabolic efficiency. Also, a study is underway at the University of North Carolina at Chapel Hill to measure the energy cost of individual and group PAs among youth, ages 8–18 yr (J. A. Harrell, School of Nursing, University of North Carolina at Chapel Hill, 1999). Another study is underway at the Edward Hines Jr. VA Hospital to measure the energy costs of physical activities in adults with spinal cord injuries (W. E. Langbein and E. Collins, Hine Hospital, Maywood, IL, 1999). When completed, the projects will provide compendiums of the PAs measured in the studies.

**Calculation of energy cost.** Methods used to calculate the energy cost of activities in the 1993 Compendium were explained in detail by Ainsworth et al. (1). There has been concern that the absolute MET intensities presented in the Compendium may be inaccurate for people of different body mass and body fat percentage (10,27). For weightbearing activities, Schmitz et al. (27) and Howell et al. (10) showed that the energy cost of activity was higher among

heavier individuals than indicated by the Compendium's MET intensities. For these individuals, use of the MET intensities in the Compendium would underestimate the actual energy cost of weight bearing activity. The opposite pattern would be observed for non-weight-bearing activities. Schmitz (27) discusses these concerns in relation to energy expended during household chores among obese and lean women. Similar observations may apply to individuals who differ in age, cardiorespiratory fitness levels, and mechanical efficiency and when activities are performed in varied geographic and environmental conditions (33). It should be emphasized that the Compendium was developed to facilitate the coding of PAs and to compare coding across studies. It does not take into account individual differences that may alter the energy cost of movement. Thus, a correction factor may be needed to adjust for individual differences when estimating the energy cost of PA in individuals; but no such general correction is available at this time.

Use of the Compendium in PA validation studies. The Compendium facilitates the use of PA records to record the type, intensity, and duration of activities in a systematic manner. PA records and the Compendium have been used to validate PA surveys commonly used in observational and clinical studies (25). In 1993, we presented a sample PA record for use with the Compendium (1). We have since developed an updated PA record that is easy to use and code and provides a detailed explanation for the use of PA records and the Compendium in PA validation studies.

# **DISCUSSION AND LIMITATIONS**

The value and limitations of using the Compendium of Physical Activities to determine the energy cost of PA in adults was previously discussed in the 1993 publication (1). Because the MET levels presented in the Compendium are based on the energy cost of actual movement, investigators should remind participants to recall only the time spent in movement when using the Compendium to estimate the energy cost of activities. It should also be stressed that the Compendium was not developed to determine the precise energy cost of PA within individuals, but instead to provide an activity classification system that standardizes the MET intensities of PAs used in survey research. This limits the use of the Compendium in estimating the energy cost of PA in individuals in ways that account for differences in body mass, adiposity, age, sex, efficiency of movement, geographic and environmental conditions in which the activities are performed. Thus, individual differences in energy expenditure for the same activity can be large and the true energy cost for a person may or may not be close to the stated mean MET level as presented in the Compendium.

As was true with the original Compendium, the updated version contains specific activities in which the MET values were not derived from indirect calorimetry; however, many codes have been updated using measured MET values. The updated Compendium still has some codes in which MET values were estimated from activities having similar

movement patterns. Therefore, these estimates may have ill-defined confidence limits around the mean MET values.

version of the Compendium may be obtained from Dr. Barbara Ainsworth.

# **SUMMARY**

The updated version of the 1993 Compendium of Physical Activities includes new major headings for religious and volunteer activities, new five-digit codes for 129 specific activities, and modifications to codes for 94 specific activities. Despite its known limitations, the Compendium has proven useful in coding physical activity surveys or records and in providing examples of activities within broad intensity ranges for use for PA counseling in research, education, and clinic settings. However, additional methods are needed to account for differences in individual characteristics that may alter the energy costs of physical activities.

# **NOTES**

An unpublished edition of the Compendium was developed in 2000 to track changes from the first edition and to explore possible changes in future editions. The unpublished edition includes a two-digit number that identifies the version of the Compendium. The version number should make it simple to make corrections and additions to activity codes and their intensities while retaining the ability to code questionnaires consistently with questionnaires collected earlier on the same person. A copy of the unpublished tracking

# REFERENCES

- AINSWORTH, B. E., W. L. HASKELL, A. S. LEON, et al. Compendium of physical activities: energy costs of human movement. *Med. Sci. Sports Exerc.* 25:71–80, 1993.
- AINSWORTH, B. E., M. L. IRWIN, C. L. ADDY, M. C. WHITT, and L. M. STOLARCZYK. Moderate physical activity patterns among minority women: the Cross-Cultural Activity Participation Study. *J. Women's Health* 8:805–813, 1999.
- AINSWORTH, B. E., B. STERNFELD, M. T. RICHARDSON, and K. JACK-SON. Evaluation of the Kaiser Physical Activity Survey in Women. *Med. Sci. Sports Exerc.* 32(Suppl.), 2000.
- BASSETT, D. R. JR., B. E. AINSWORTH, A. M. SWARTZ, S. J. STRATH, W. L. O'BRIEN, and G. A. KING. Validity of four motion sensors in measuring moderate intensity physical activity. *Med. Sci. Sports Exerc.* 32(Suppl.):S471–S480, 2000.
- 5. Bayne-Smith, M. Race, Gender, and Health. Thousand Oaks, CA: Sage Publications, 1996, p. 134.
- CRESPO, C. J., S. J. KETEYIAN, G. W. HEATH, and C. T. SEMPOS. Leisure-time physical activity among US adults: results from the Third National Health and Nutrition Examination Survey. *Arch. Intern. Med.* 156:93–98, 1996.
- EMPLAINCOURT, P. O. Inter-individual Variability in the Energy Cost of Several Habitual Physical Activities. Unpublished Ph. D. Dissertation, University of Alabama, Tuscaloosa, AL, 1999.
- 8. GILMAN, M. B., H. HOULE, L. FIRZELL, K. HEADBIRD, J. L. DURSTINE, and B. E. AINSWORTH. Metabolic cost of traditional American Indian activities in women over 40 years of age (Abstract). *Med. Sci. Sports Exerc.* 32:S53, 2000.
- 9. Hendelman, D., K. Miller, C. Bagget, E. Debold, and P. Freedson. Validity of accelerometry for the assessment of moderate intensity physical activity in the field. *Med. Sci. Sports Exerc.* 32(Suppl.):S442–S449, 2000.
- HOWELL, W., C. EARTHMAN, P. REID, J. DELANEY, and L. HOUTKOOPER.
   Doubly labeled water validation of the Compendium of Physical

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- Activities in lean and obese college women (Abstract). *Med. Sci. Sports Exerc.* 31:S142, 1999.
- JONES, D. A., B. E. AINSWORTH, J. B. CROFT, J. R. LIVENGOOD, E. LLOYD, and H. R. YUSUF. Prevalences of moderate physical activity recommended by the Surgeon General's Report in U.S. adults: National Health Interview Survey, 1990. Arch. Family Med. 7:285–289, 1998.
- Jones, D. A., C. D. Kimsey, C. A Macera, and C. M. Fuchs. Characteristics of physical activity among employed adults in selected WHO MONICA sites (Abstract). *Med. Sci. Sports Exerc.* 32:S187, 2000.
- KUCZMARSKI, R. J., M. D. CARROLL, K. M. FLEGAL, and R. P. TROIANO. Varying body mass index cutoff points to describe overweight prevalence among U.S. adults: NHANES III (1988–1994). Obes. Res. 5:542–548, 1997.
- KUCZMARSKI, R. J., K. M. FLEGAL, S. M. CAMPBELL, and C. L. JOHNSON. Increasing prevalence of overweight among U.S. adults: the National Health and Nutrition Examination Surveys 1960– 1991. *JAMA* 272:205–211, 1994.
- Lee, I-M., C-C. Hsieh, and R. S. Paffenbarger, Jr. Exercise intensity and longevity in men. JAMA 273:1179–1184, 1995.
- MARGARIA, R., P. CERRETELLI, P. AGHEMO, and G. SASSI. Energy cost of running. J. Appl. Physiol. 18:367–370, 1963.
- MELANSON, E. L., P. S. FREEDSON, R. WEBB, S. JUNGBLUTH, and N. KOZLOWSKI. Exercise responses to running and in-line skating at self-selected paces. *Med. Sci. Sports Exerc.* 28:247–250, 1996.
- MONTOYE, H. J. The energy cost of exercise and competitive sport. In: *Nutrition in Sport: Olympic Encyclopaedia of Sports Medicine*, *Vol. VII*, R. J. Maughan (Ed.). Maldea, MA: Blackwell Science Inc., 2000, pp. 53–72.
- Montoye, H. J., H. C. G. Kemper, W. H. M. Saris, and R. A. Washburn. Measuring Physical Activity and Energy Expenditure. Champaign, IL: Human Kinetics Publishers, 1996, pp. 34–41.

- 20. NIEMAN, D. C. Fitness and Sports Medicine, 2nd Ed. Palo Alto: Bull Publishing Co., 1995, pp. 685–691.
- NOBLE R. M., and E. T. HOWLEY. The energy requirement of selected tap dance routines. Res. Q. 50:438-442, 1979.
- OLSON M. S., H. N. WILLIFORD, D. L. BLESSING, and R. GREAT-HOUSE. The cardiovascular and metabolic effect of bench stepping exercise stepping in females. *Med. Sci. Sports Exerc.* 23:1311–1318, 1991.
- PATE, R. R., M. PRATT, S. N. BLAIR, et al. Physical activity and public health: a recommendation from the Centers for Disease Control and Prevention and the American College of Sports Medicine. *JAMA* 273:402–407, 1995.
- PATTERSON R., and S. V. FISHER. Cardiovascular stress of crutch walking. Arch. Phys. Med. Rehabil. 62:257–260, 1981.
- PEREIRA, M. A., S. J. FITZGERALD, E. W., and GREGG, et al. A collection of physical activity questionnaires for health related research. *Med. Sci. Sports Exerc.* 29:S1–S205, 1997.
- RICHARDSON, M. T., A. S. LEON, D. R. JACOBS, JR., B. E. AINSWORTH, and R. C. SERFASS. Comprehensive evaluation of the Minnesota Leisure Time Physical Activity Questionnaire. *J. Clin. Epidemiol.* 47:271–281, 1994.
- SCHMITZ, M. K. H. The Interactive and Independent Associations of Physical Activity, Body Weight, and Blood Lipid Levels. Unpublished Ph. D. Dissertation, University of Minnesota, Minneapolis, MN, 1998.
- SMITH J. F. Energy cost of specific custodial work tasks. Unpublished Doctoral Dissertation, University of Tennessee 1975.
- STRATH S. J., A. M. SWARTZ, D. R. BASSETT, JR., W. L. O'BRIEN, G. A. KING, and B. E. AINSWORTH. Evaluation of heart rate as a method for estimating moderate intensity physical activity. *Med. Sci. Sports Exerc.* 32(Suppl.):S471–S480, 2000.

- SWARTZ, A. M., S. J. STRATH, D. R. BASSETT, JR., W. L. O'BRIEN, G. A. KING, and B. E. AINSWORTH. Estimation of energy expenditure using CSA, Inc. accelerometer hip and wrist sites. *Med. Sci. Sports Exerc.* 32(Suppl.):S450–S456, 2000.
- TAYLOR H. L., D. R. JACOBS JR., B. SCHUKER, J. KNUDSEN, A. S. LEON, and G. DEBACKER. A questionnaire for the assessment of leisure time physical activities. *J. Chronic Dis.* 31:741–755, 1978.
- Town G. P., N. Sol, and W. Sinning. The effect of rope skipping rate on energy expenditure of males and females. *Med. Sci. Sports Exerc.* 12:295–298, 1980.
- 33. U. S. DEPARTMENT OF HEALTH AND HUMAN SERVICES. *Physical Activity and Health: A Report of the Surgeon General.* Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, 1996, pp. 29–37.
- 34. U. S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Human Promotion, Division of Nutrition and Physical Activity. Promoting Physical Activity: A Guide for Community Action. Champaign, IL: Human Kinetics, 1999.
- Welk, G. J., S. N. Blair, K. Wood, S. Jones, and R. W. Thompson. A comparative evaluation of three accelerometry-based physical activity monitors. *Med. Sci. Sports Exerc.* 32(Suppl.):S489–S497, 2000.
- WILLIAMS, C. D., J. F. SALLIS, K. J. CALFAS, and R. BURKE. Psychosocial and demographic correlates of television viewing. *Am. J. Health Promot.* 13:207–214, 1999.
- ZENI A. I., M. D. HOFFMAN, and P. S. CLIFFORD. Energy expenditure with indoor exercise machines. *JAMA* 275:1424–1427, 1996.

|       |      | SPECIFIC ACTIVITY      | EXAMPLES  |
|-------|------|------------------------|---|
| 01009 | 8.5  | bicycling,             | bicycling, BMX or mountain  |
| 01010 | 4.0  | bicycling,             | bicycling, <10 mph, leisure, to work or for pleasure (Taylor Code 115)  |
| 01015 | 8.0  | bicycling,             | bicycling, general  |
| 01020 | 6.0  | bicycling,             | bicycling, 10-11.9 mph, leisure, slow, light effort   |
| 01030 | 8.0  | bicycling,             | bicycling, 12-13.9 mph, leisure, moderate effort  |
| 01040 | 10.0 | bicycling,             | bicycling, 14-15.9 mph, racing or leisure, fast, vigorous effort  |
| 01050 | 12.0 | bicycling,             | bicycling, 16-19 mph, racing/not drafting or >19 mph drafting, very fast, racing general                                  |
| 01060 | 16.0 | bicycling,             | bicycling, >20 mph, racing, not drafting  |
| 01070 | 5.0  | bicycling,             | unicycling  |
| 02010 | 7.0  | conditioning exercise, | bicycling, stationary, general  |
| 02011 | 3.0  | conditioning exercise, | bicycling, stationary, 50 watts, very light effort  |
| 02012 | 5.5  | conditioning exercise, | bicycling, stationary, 100 watts, light effort  |
| 02013 | 7.0  | conditioning exercise, | bicycling, stationary, 150 watts, moderate effort   |
| 02014 | 10.5 | conditioning exercise, | bicycling, stationary, 200 watts, vigorous effort   |
| 02015 | 12.5 | conditioning exercise, | bicycling, stationary, 250 watts, very vigorous effort  |
| 02020 | 8.0  | conditioning exercise, | calisthenics (e.g. pushups, situps, pullups, jumping jacks), heavy, vigorous effort                                       |
| 02030 | 3.5  | conditioning exercise, | calisthenics, home exercise, light or moderate effort, general (example: back exercises), going up &                      |
|       |      |                        | down from floor (Taylor Code 150)   |
| 02040 | 8.0  | conditioning exercise, | circuit training, including some aerobic movement with minimal rest, general  |
| 02050 | 6.0  | conditioning exercise, | weight lifting (free weight, nautilus or universal-type), power lifting or body building, vigorous effort (Taylor Code 21 |
| 02060 | 5.5  | conditioning exercise, | health club exercise, general (Taylor Code 160)   |
| 02065 | 9.0  | conditioning exercise, | stair-treadmill ergometer, general  |
| 02070 | 7.0  | conditioning exercise, | rowing, stationary ergometer, general   |
| 02071 | 3.5  | conditioning exercise, | rowing, stationary, 50 watts, light effort  |
| 02072 | 7.0  | conditioning exercise, | rowing, stationary, 100 watts, moderate effort  |
| 02073 | 8.5  | conditioning exercise, | rowing, stationary, 150 watts, vigorous effort  |
| 02074 | 12.0 | conditioning exercise, | rowing, stationary, 200 watts, very vigorous effort   |
| 02080 | 7.0  | conditioning exercise, | ski machine, general  |
| 02090 | 6.0  | conditioning exercise, | slimnastics, jazzercise   |
| 02100 | 2.5  | conditioning exercise, | stretching, hatha yoga  |
| 02101 | 2.5  | conditioning exercise, | mild stretching   |
| 02110 | 6.0  | conditioning exercise, | teaching aerobic exercise class   |
| 02120 | 4.0  | conditioning exercise, | water aerobics, water calisthenics  |
| 02130 | 3.0  | conditioning exercise, | weight lifting (free, nautilus or universal-type), light or moderate effort, light workout, general                       |
| 02135 | 1.0  | conditioning exercise, | whirlpool, sitting  |
| 03010 | 4.8  | dancing,               | ballet or modern, twist, jazz, tap, jitterbug   |
| 03015 | 6.5  | dancing,               | aerobic, general  |
| 03016 | 8.5  | dancing,               | aerobic, step, with 6 – 8 inch step   |
| 03017 | 10.0 | dancing,               | aerobic, step, with 10 – 12 inch step   |
| 03020 | 5.0  | dancing,               | aerobic, low impact   |
| 03021 | 7.0  | dancing,               | aerobic, high impact  |
| 03025 | 4.5  | dancing,               | general, Greek, Middle Eastern, hula, flamenco, belly, swing  |
| 03030 | 5.5  | dancing,               | ballroom, fast (Taylor Code 125)  |
| 03031 | 4.5  | dancing,               | ballroom, fast (disco, folk, square), line dancing, Irish step dancing, polka, contra, country                            |
| 03040 | 3.0  | dancing,               | ballroom, slow (e.g. waltz, foxtrot, slow dancing), samba, tango, 19th C, mambo, chacha                                   |
| 03050 | 5.5  | dancing,               | Anishinaabe Jingle Dancing or other traditional American Indian dancing   |
| 04001 | 3.0  | fishing and hunting,   | fishing, general  |

Figure 1—Appendix 1. Updated Compendium of Physical Activities.

| 04010 4.0 fishing and hunting, fishing from river bank and walking fishing from river bank and walking fishing from river bank and walking fishing from river bank, standing (Taylor Code 660) fishing and hunting, fishing from river bank, standing (Taylor Code 670) fishing and hunting, fishing from river bank, standing (Taylor Code 670) fishing and hunting, fishing from river bank, standing (Taylor Code 670) fishing and hunting, hunting, bow and arrow or crossbow hunting, for fishing and hunting, hunting, duet, walding hunting, bow and arrow or crossbow hunting, for fishing and hunting, hunting, duet, walding hunting, for fishing and hunting, hunting, duet, walding hunting, for fishing and hunting, hunting, for fishing and hunting, hunting, peneral hunting, peneral hunting, peneral hunting, peneral hunting, peneral hunting, fishing and hunting, hunting, peneral h |   |
|--|---|
| 04030 2.5 fishing and hunting, 16shing from river bank, standing (Taylor Code 660) 16shing and hunting, 16shing from river bank, standing (Taylor Code 670) 16shing and hunting, 16shing in stream, in waders (Taylor Code 670) 16shing and hunting, 16shing in stream, in waders (Taylor Code 670) 16shing and hunting, 16shing in stream, in waders (Taylor Code 670) 16shing and hunting, 16shing in stream, in waders (Taylor Code 670) 16shing and hunting, 16shing in stream, in waders (Taylor Code 670) 16shing and hunting, 16shing in stream, in waders (Taylor Code 670) 16shing and hunting, 16shing in stream, in waders (Taylor Code 170) 16shing and hunting, 16shing in stream, in waders (Taylor Code 680) 16shing and hunting, 16shing in stream, in waders (Taylor Code 680) 16shing and hunting, 16shing in stream, in waders (Taylor Code 680) 16shing and hunting, 16shing in stream, in waders (Taylor Code 680) 16shing and hunting, 16shing in stream, in waders (Taylor Code 680) 16shing and hunting, 16shing in stream, in waders (Taylor Code 680) 16shing in stream, in waders (Taylor Code 670) 16shing in stream, in waters (Taylor Code 680) 16shing in stream, in waters (Taylor Code 680) 16shing in stream, in waters (Taylor Code 680) 16shing in stream,  |   |
| 04040 3.5 fishing and hunting, fishing in stream, in waders (Taylor Code 660) (18) (18) (18) (18) (18) (18) (18) (18   |   |
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| 05148 2.5 home activities, watering plants 05149 2.5 home activities, building a fire inside   | ems ngm - moderate errort               |
| 05149 2.5 home activities, building a fire inside  |   |
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| 05150 0.0 home estivities maying household items unestiment in the contraction of the con |   |
| 05150 9.0 home activities, moving household items upstairs, carrying boxes or furniture 05160 2.0 home activities, standing - light (pump gas, change light bulb, etc.)  |   |
| , , , , , , , , , , , , , , , , , , ,  | t. da                                   |
| 05165 3.0 home activities, walking - light, non-cleaning (readying to leave, shut/lock doors, close  | windows, etc.)                          |
|  |   |

Figure 1—Continued.

| 05170 | 2.5 | homo notivities   | alled an alled at the transport of the t |
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| 05170 | 2.8 | home activities,  | sitting - playing with child(ren) – light, only active periods   |
| 05171 | 4.0 | home activities,  | standing - playing with child(ren) – light, only active periods  |
| 05173 | 5.0 | home activities,  | walk/run - playing with child(ren) – moderate, only active periods   |
|       |     | home activities,  | walk/run - playing with child(ren) - vigorous, only active periods   |
| 05181 | 3.0 | home activities,  | carrying small children  |
| 05185 | 2.5 | home activities,  | child care: sitting/kneeling - dressing, bathing, grooming, feeding, occasional lifting of child-light effort, general   |
| 05186 | 3.0 | home activities,  | child care: standing - dressing, bathing, grooming, feeding, occasional lifting of child-light effort  |
| 05187 | 4.0 | home activities,  | elder care, disabled adult, only active periods  |
| 05188 | 1.5 | home activities,  | reclining with baby  |
| 05190 | 2.5 | home activities,  | sit, play ing with animals, light, only active periods   |
| 05191 | 2.8 | home activities,  | stand, playing with animals, light, only active periods  |
| 05192 | 2.8 | home activities,  | walk/run, playing with animals, light, only active periods   |
| 05193 | 4.0 | home activities,  | walk/run, playing with animals, moderate, only active periods  |
| 05194 | 5.0 | home activities,  | walk/run, playing with animals, vigorous, only active periods  |
| 05195 | 3.5 | home activities,  | standing - bathing dog   |
| 06010 | 3.0 | home repair,      | airplane repair  |
| 06020 | 4.0 | home repair,      | automobile body work   |
| 06030 | 3.0 | . home repair,    | automobile repair  |
| 06040 | 3.0 | home repair,      | carpentry, general, workshop (Taylor Code 620)   |
| 06050 | 6.0 | home repair,      | carpentry, outside house, installing rain gutters, building a fence, (Taylor Code 640)   |
| 06060 | 4.5 | home repair,      | carpentry, finishing or refinishing cabinets or furniture  |
| 06070 | 7.5 | home repair,      | carpentry, sawing hardwood   |
| 06080 | 5.0 | home repair,      | caulking, chinking log cabin   |
| 06090 | 4.5 | home repair,      | caulking, except log cabin   |
| 06100 | 5.0 | home repair,      | cleaning gutters   |
| 06110 | 5.0 | home repair,      | excavating garage  |
| 06120 | 5.0 | home repair,      | hanging storm windows  |
| 06130 | 4.5 | home repair,      | laying or removing carpet  |
| 06140 | 4.5 | home repair,      | laying tile or linoleum, repairing appliances  |
| 06150 | 5.0 | home repair,      | painting, outside home (Taylor Code 650)   |
| 06160 | 3.0 | home repair,      | painting, papering, plastering, scraping, inside house, hanging sheet rock, remodeling   |
| 06165 | 4.5 | home repair,      | painting, (Taylor Code 630)  |
| 06170 | 3.0 | home repair,      | put on and removal of tarp - sailboat  |
| 06180 | 6.0 | home repair,      | roofing  |
| 06190 | 4.5 | home repair,      | sanding floors with a power sander   |
| 06200 | 4.5 | home repair,      | scraping and painting sailboat or powerboat  |
| 06210 | 5.0 | home repair,      | spreading dirt with a shovel   |
| 06220 | 4.5 | home repair,      | washing and waxing hull of sailboat, car, powerboat, airplane  |
| 06230 | 4.5 | home repair,      | washing fence, painting fence  |
| 06240 | 3.0 | home repair,      | wiring, plumbing   |
| 07010 | 1.0 | inactivity, quiet | lying quietly and watching television  |
| 07011 | 1.0 | inactivity, quiet | lying quietly, doing nothing, lying in bed awake, listening to music (not talking or reading)  |
| 07020 | 1.0 | inactivity, quiet | sitting quietly and watching television  |
| 07021 | 1.0 | inactivity, quiet | sitting quietly, sitting smoking, listening to music (not talking or reading), watching a movie in a theater   |
| 07030 | 0.9 | inactivity, quiet | sleeping   |
| 07040 | 1.2 | inactivity, quiet | standing quietly (standing in a line)  |
| 07050 | 1.0 | inactivity, light | reclining - writing  |
| 07060 | 1.0 | inactivity, light | reclining - talking or talking on phone  |
| 07070 | 1.0 | inactivity, light | reclining - reading  |
| 07075 | 1.0 | inactivity, light | meditating   |
| 08010 | 5.0 | lawn and garden,  | carrying, loading or stacking wood, loading/unloading or carrying lumber   |
|       |     |                   |  |

Figure 1—Continued.

| CODE  | METS | SPECIFIC ACTIVITY | EXAMPLES   |
|-------|------|-------------------|--|
| 08020 | 6.0  | lawn and garden,  | chopping wood, splitting logs  |
| 08030 | 5.0  | lawn and garden,  | clearing land, hauling branches, wheelbarrow chores                              |
| 08040 | 5.0  | lawn and garden,  | digging sandbox  |
| 08050 | 5.0  | lawn and garden,  | digging, spading, filling garden, composting, (Taylor Code 590)                  |
| 08060 | 6.0  | lawn and garden,  | gardening with heavy power tools, tilling a garden, chain saw                    |
| 08080 | 5.0  | lawn and garden,  | laying crushed rock  |
| 08090 | 5.0  | lawn and garden,  | laying sod   |
| 08095 | 5.5  | lawn and garden,  | mowing lawn, general   |
| 08100 | 2.5  | lawn and garden,  | mowing lawn, riding mower (Taylor Code 550)                                      |
| 08110 | 6.0  | lawn and garden,  | mowing lawn, walk, hand mower (Taylor Code 570)                                  |
| 08120 | 5.5  | lawn and garden,  | mowing lawn, walk, power mower   |
| 08125 | 4.5  | lawn and garden,  | mowing lawn, power mower (Taylor Code 590)                                       |
| 08130 | 4.5  | lawn and garden,  | operating snow blower, walking   |
| 08140 | 4.5  | lawn and garden,  | planting seedlings, shrubs   |
| 08150 | 4.5  | lawn and garden,  | planting trees   |
| 08160 | 4.3  | lawn and garden,  | raking lawn  |
| 08165 | 4.0  | lawn and garden,  | raking lawn (Taylor Code 600)  |
| 08170 | 4.0  | lawn and garden,  | raking roof with snow rake   |
| 08180 | 3.0  | lawn and garden,  | riding snow blower   |
| 08190 | 4.0  | lawn and garden,  | sacking grass, leaves  |
| 08200 | 6.0  | lawn and garden,  | shoveling snow, by hand (Taylor Code 610)  |
| 08210 | 4.5  | lawn and garden,  | trimming shrubs or trees, manual cutter  |
| 08215 | 3.5  | lawn and garden,  | trimming shrubs or trees, power cutter, using leaf blower, edger                 |
| 08220 | 2.5  | lawn and garden,  | walking, applying fertilizer or seeding a lawn                                   |
| 08230 | 1.5  | lawn and garden,  | watering lawn or garden, standing or walking                                     |
| 08240 | 4.5  | lawn and garden,  | weeding, cultivating garden (Taylor Code 580)                                    |
| 08245 | 4.0  | lawn and garden,  | gardening, general   |
| 08246 | 3.0  | lawn and garden,  | picking fruit off trees, picking fruits/vegetables, moderate effort              |
| 08250 | 3.0  | lawn and garden,  | implied walking/standing - picking up yard, light, picking flowers or vegetables |
| 08251 | 3.0  | lawn and garden,  | walking, gathering gardening tools   |
| 09010 | 1.5  | miscellaneous,    | sitting - card playing, playing board games                                      |
| 09020 | 2.3  | miscellaneous,    | standing - drawing (writing), casino gambling, duplicating machine               |
| 09030 | 1.3  | miscellaneous,    | sitting - reading, book, newspaper, etc.   |
| 09040 | 1.8  | miscellaneous,    | sitting - writing, desk work, typing   |
| 09050 | 1.8  | miscellaneous,    | standing - talking or talking on the phone                                       |
| 09055 | 1.5  | miscellaneous,    | sitting - talking or talking on the phone  |
| 09060 | 1.8  | miscellaneous,    | sitting - studying, general, including reading and/or writing                    |
| 09065 | 1.8  | miscellaneous,    | sitting - in class, general, including note-taking or class discussion           |
| 09070 | 1.8  | miscellaneous,    | standing - reading   |
| 09071 | 2.0  | miscellaneous,    | standing - miscellaneous   |
| 09075 | 1.5  | miscellaneous,    | sitting - arts and crafts, light effort  |
| 09080 | 2.0  | miscellaneous,    | sitting - arts and crafts, moderate effort                                       |
| 09085 | 1.8  | miscellaneous,    | standing - arts and crafts, light effort   |
| 09090 | 3.0  | miscellaneous,    | standing - arts and crafts, moderate effort                                      |
| 09095 | 3.5  | miscellaneous,    | standing - arts and crafts, vigorous effort                                      |
| 09100 | 1.5  | miscellaneous,    | retreat/family reunion activities involving sitting, relaxing, talking, eating   |
| 09105 | 2.0  | miscellaneous,    | touring/traveling/vacation involving walking and riding                          |
| 09110 | 2.5  | miscellaneous,    | camping involving standing, walking, sitting, light-to-moderate effort           |
| 09115 | 1.5  | miscellaneous,    | sitting at a sporting event, spectator   |
| 10010 | 1.8  | music playing,    | accordion  |
| 10020 | 2.0  | music playing,    | cello  |

Figure 1—Continued.

| 10030 | 2.5 | music playing, | conducting  |
|-------|-----|----------------|---|
| 10040 | 4.0 | music playing, | drums   |
| 10050 | 2.0 | music playing, | flute (sitting)   |
| 10060 | 2.0 | music playing, | horn  |
| 10070 | 2.5 | music playing, | piano or organ  |
| 10080 | 3.5 | music playing, | trombone  |
| 10090 | 2.5 | music playing, | trumpet   |
| 10100 | 2.5 | music playing, | violin  |
| 10110 | 2.0 | music playing, | woodwind  |
| 10120 | 2.0 | music playing, | guitar, classical, folk (sitting)   |
| 10125 | 3.0 | music playing, | guitar, rock and roll band (standing)   |
| 10130 | 4.0 | music playing, | marching band, playing an instrument, baton twirling (walking)  |
| 10135 | 3.5 | music playing, | marching band, drum major (walking)   |
| 11010 | 4.0 | occupation,    | bakery, general, moderate effort  |
| 11015 | 2.5 | occupation,    | bakery, light effort  |
| 11020 | 2.3 | occupation,    | bookbinding   |
| 11030 | 6.0 | occupation,    | building road (including hauling debris, driving heavy machinery)   |
| 11035 | 2.0 | occupation,    | building road, directing traffic (standing)   |
| 11040 | 3.5 | occupation,    | carpentry, general  |
| 11050 | 8.0 | occupation,    | carrying heavy loads, such as bricks  |
| 11060 | 8.0 | occupation,    | carrying moderate loads up stairs, moving boxes (16-40 pounds)  |
| 11070 | 2.5 | occupation,    | chambermaid, making bed (nursing)   |
| 11080 | 6.5 | occupation,    | coal mining, drilling coal, rock  |
| 11090 | 6.5 | occupation,    | coal mining, erecting supports  |
| 11100 | 6.0 | occupation,    | coal mining, general  |
| 11110 | 7.0 | occupation,    | coal mining, shoveling coal   |
| 11120 | 5.5 | occupation,    | construction, outside, remodeling   |
| 11121 | 3.0 | occupation,    | custodial work - buffing the floor with electric buffer   |
| 11122 | 2.5 | occupation,    | custodial work - cleaning sink and toilet, light effort   |
| 11123 | 2.5 | occupation,    | custodial work - dusting, light effort  |
| 11124 | 4.0 | occupation,    | custodial work - feathering arena floor, moderate effort  |
| 11125 | 3.5 | occupation,    | custodial work - general cleaning, moderate effort  |
| 11126 | 3.5 | occupation,    | custodial work - mopping, moderate effort   |
| 11127 | 3.0 | occupation,    | custodial work - take out trash, moderate effort  |
| 11128 | 2.5 | occupation,    | custodial work - vacuuming, light effort  |
| 11129 | 3.0 | occupation,    | custodial work - vacuuming, moderate effort   |
| 11130 | 3.5 | occupation,    | electrical work, plumbing   |
| 11140 | 8.0 | occupation,    | farming, baling hay, cleaning barn, poultry work, vigorous effort   |
| 11150 | 3.5 | occupation,    | farming, chasing cattle, non-strenuous (walking), moderate effort   |
| 11151 | 4.0 | occupation,    | farming, chasing cattle or other livestock on horseback, moderate effort                                    |
| 11152 | 2.0 | occupation,    | farming, chasing cattle or other livestock, driving, light effort   |
| 11160 | 2.5 | occupation,    | farming, driving harvester, cutting hay, irrigation work  |
| 11170 | 2.5 | occupation,    | farming, driving tractor  |
| 11180 | 4.0 | occupation,    | farming, feeding small animals  |
| 11190 | 4.5 | occupation,    | farming, feeding cattle, horses   |
| 11191 | 4.5 | occupation,    | farming, hauling water for animals, general hauling water   |
| 11192 | 6.0 | occupation,    | farming, taking care of animals (grooming, brushing, shearing sheep, assisting with birthing, medical care, |
|       |     |                | branding)   |
| 11200 | 8.0 | occupation,    | farming, forking straw bales, cleaning corral or barn, vigorous effort                                      |
| 11210 | 3.0 | occupation,    | farming, milking by hand, moderate effort   |
| 11220 | 1.5 | occupation,    | farming, milking by machine, light effort   |
|       |     |                | •   |
|       |     |                |   |

Figure 1—Continued.

| CODE  | METS | SPECIFIC ACTIVITY | EXAMPLES   |
|-------|------|-------------------|--|
| 11230 | 5.5  | occupation,       | farming, shoveling grain, moderate effort  |
| 11240 | 12.0 | occupation,       | fire fighter, general  |
| 11245 | 11.0 | occupation,       | fire fighter, climbing ladder with full gear   |
| 11246 | 8.0  | occupation,       | fire fighter, hauling hoses on ground  |
| 11250 | 17.0 | occupation,       | forestry, ax chopping, fast  |
| 11260 | 5.0  | occupation,       | forestry, ax chopping, slow  |
| 11270 | 7.0  | occupation,       | forestry, barking trees  |
| 11280 | 11.0 | occupation,       | forestry, carrying logs  |
| 11290 | 8.0  | occupation,       | forestry, felling trees  |
| 11300 | 8.0  | occupation,       | forestry, general  |
| 11310 | 5.0  | occupation,       | forestry, hoeing   |
| 11320 | 6.0  | occupation,       | forestry, planting by hand   |
| 11330 | 7.0  | occupation,       | forestry, sawing by hand   |
| 11340 | 4.5  | occupation,       | forestry, sawing, power  |
| 11350 | 9.0  | occupation,       | forestry, trimming trees   |
| 11360 | 4.0  | occupation,       | forestry, weeding  |
| 11370 | 4.5  | occupation,       | furriery   |
| 11380 | 6.0  | occupation,       | horse grooming   |
| 11390 | 8.0  | occupation,       | horse racing, galloping  |
| 11400 | 6.5  | occupation,       | horse racing, trotting   |
| 11410 | 2.6  | occupation,       | horse racing, walking  |
| 11420 | 3.5  | occupation,       | locksmith  |
| 11430 | 2.5  | occupation,       | machine tooling, machining, working sheet metal  |
| 11440 | 3.0  | occupation,       | machine tooling, operating lathe   |
| 11450 | 5.0  | occupation,       | machine tooling, operating punch press   |
| 11460 | 4.0  | occupation,       | machine tooling, tapping and drilling  |
| 11470 | 3.0  | occupation,       | machine tooling, welding   |
| 11480 | 7.0  | occupation,       | masonry, concrete  |
| 11485 | 4.0  | occupation,       | masseur, masseuse (standing)   |
| 11490 | 7.5  | occupation,       | moving, pushing heavy objects, 75 lbs or more (desks, moving van work)   |
| 11495 | 12.0 | occupation,       | skindiving or SCUBA diving as a frogman (Navy Seal)  |
| 11500 | 2.5  | occupation,       | operating heavy duty equipment/automated, not driving  |
| 11510 | 4.5  | occupation,       | orange grove work  |
| 11520 | 2.3  | occupation,       | printing (standing)  |
| 11525 | 2.5  | occupation,       | police, directing traffic (standing)   |
| 11526 | 2.0  | occupation,       | police, driving a squad car (sitting)  |
| 11527 | 1.3  | occupation,       | police, riding in a squad car (sitting)  |
| 11528 | 4.0  | occupation,       | police, making an arrest (standing)  |
| 11530 | 2.5  | occupation,       | shoe repair, general   |
| 11540 | 8.5  | occupation,       | shoveling, digging ditches   |
| 11550 | 9.0  | occupation,       | shoveling, heavy (more than 16 pounds/minute)  |
| 11560 | 6.0  | occupation,       | shoveling, light (less than 10 pounds/minute)  |
| 11570 | 7.0  | occupation,       | shoveling, moderate (10 to 15 pounds/minute)   |
| 11580 | 1.5  | occupation,       | sitting - light office work, general (chemistry lab work, light use of hand tools, watch repair or micro-assembly, light assembly/repair), sitting, reading, driving at work |
| 11585 | 1.5  | occupation,       | sitting - meetings, general, and/or with talking involved, eatting at a business meeting   |
| 11590 | 2.5  | occupation,       | sitting; moderate (heavy levers, riding mower/forklift, crane operation), teaching stretching or yoga  |
| 11600 | 2.3  | occupation,       | standing; light (bartending, store clerk, assembling, filing, duplicating, putting up a Christmas tree), standing and talking at   |
|       |      |                   | work, changing clothes when teaching physical education  |
| 11610 | 3.0  | occupation,       | standing; light/moderate (assemble/repair heavy parts, welding, stocking, auto repair, pack boxes for moving, etc.),   |
|       |      | · ·               | patient care (as in nursing)   |
|       |      |                   |  |

Figure 1—Continued.

| CODE  | METS | SPECIFIC ACTIVITY | EXAMPLES   |
|-------|------|-------------------|--|
| 11615 | 4.0  | occupation,       | lifting items continuously, 10 – 20 lbs, with limited walking or resting                         |
| 11620 | 3.5  | occupation,       | standing; moderate (assembling at fast rate, intermittent, lifting 50 lbs, hitch/twisting ropes) |
| 11630 | 4.0  | occupation,       | standing; moderate/heavy (lifting more than 50 lbs, masonry, painting, paper hanging)            |
| 11640 | 5.0  | occupation,       | steel mill, fettling   |
| 11650 | 5.5  | occupation,       | steel mill, forging  |
| 11660 | 8.0  | occupation,       | steel mill, hand rolling   |
| 11670 | 8.0  | occupation,       | steel mill, merchant mill rolling  |
| 11680 | 11.0 | occupation,       | steel mill, removing slag  |
| 11690 | 7.5  | occupation,       | steel mill, tending furnace  |
| 11700 | 5.5  | occupation,       | steel mill, tipping molds  |
| 11710 | 8.0  | occupation,       | steel mill, working in general   |
| 11720 | 2.5  | occupation,       | tailoring, cutting   |
| 11730 | 2.5  | occupation,       | tailoring, general   |
| 11740 | 2.0  | occupation,       | tailoring, hand sewing   |
| 11750 | 2.5  | occupation,       | tailoring, machine sewing  |
| 11760 | 4.0  | occupation,       | tailoring, pressing  |
| 11765 | 3.5  | occupation,       | tailoring, weaving   |
| 11766 | 6.5  | occupation,       | truck driving, loading and unloading truck (standing)  |
| 11770 | 1.5  | occupation,       | typing, electric, manual or computer   |
| 11780 | 6.0  | occupation,       | using heavy power tools such as pneumatic tools (jackhammers, drills, etc.)                      |
| 11790 | 8.0  | occupation,       | using heavy tools (not power) such as shovel, pick, tunnel bar, spade                            |
| 11791 | 2.0  | occupation,       | walking on job, less than 2.0 mph (in office or lab area), very slow                             |
| 11792 | 3.3  | occupation,       | walking on job, 3.0 mph, in office, moderate speed, not carrying anything                        |
| 11793 | 3.8  | occupation,       | walking on job, 3.5 mph, in office, brisk speed, not carrying anything                           |
| 11795 | 3.0  | occupation,       | walking, 2.5 mph, slowly and carrying light objects less than 25 pounds                          |
| 11796 | 3.0  | occupation,       | walking, gathering things at work, ready to leave  |
| 11800 | 4.0  | occupation,       | walking, 3.0 mph, moderately and carrying light objects less than 25 lbs                         |
| 11805 | 4.0  | occupation,       | walking, pushing a wheelchair  |
| 11810 | 4.5  | occupation,       | walking, 3.5 mph, briskly and carrying objects less than 25 pounds                               |
| 11820 | 5.0  | occupation,       | walking or walk downstairs or standing, carrying objects about 25 to 49 pounds                   |
| 11830 | 6.5  | occupation,       | walking or walk downstairs or standing, carrying objects about 50 to 74 pounds                   |
| 11840 | 7.5  | occupation,       | walking or walk downstairs or standing, carrying objects about 75 to 99 pounds                   |
| 11850 | 8.5  | occupation,       | walking or walk downstairs or standing, carrying objects about 100 pounds or over                |
| 11870 | 3.0  | occupation,       | working in scene shop, theater actor, backstage employee   |
| 11875 | 4.0  | occupation,       | teach physical education, exercise, sports classes (non-sport play)                              |
| 11876 | 6.5  | occupation,       | teach physical education, exercise, sports classes (participate in the class)                    |
| 12010 | 6.0  | running,          | jog/walk combination (jogging component of less than 10 minutes) (Taylor Code 180)               |
| 12010 | 7.0  | running,          | jogging, general   |
| 12025 | 8.0  | running,          | jogging, in place  |
| 12023 | 4.5  | running           | jogging on a mini-tramp  |
| 12027 | 8.0  | running,          | running, 5 mph (12 min/mile)   |
| 12040 | 9.0  | running,          | running, 5.2 mph (11.5 min/mile)   |
| 12050 | 10.0 | running,          | running, 6 mph (10 min/mile)   |
| 12060 | 11.0 | running,          | running, 6.7 mph (9 min/mile)  |
| 12070 | 11.5 | running,          | running, 7 mph (8.5 min/mile)  |
| 12070 | 12.5 | running,          | running, 7.5 mph (8 min/mile)  |
| 12090 | 13.5 | running,          | running, 8 mph (7.5 min/mile)  |
| 12100 | 14.0 | running,          | running, 8.6 mph (7 min/mile)  |
| 12110 | 15.0 | running,          | running, 9 mph (6.5 min/mile)  |
| 12110 | 16.0 | running,          | running, 10 mph (6 min/mile)   |
| 12130 | 18.0 | running,          | running, 10.9 mph (5.5 min/mile)   |
| 12130 | 10.0 |                   |  |

Figure 1—Continued.

| CODE  | METS | SPECIFIC ACTIVITY | EXAMPLES  |
|-------|------|-------------------|---|
| 12140 | 9.0  | running,          | running, cross country  |
| 12150 | 8.0  | running,          | running (Taylor Code 200)   |
| 12170 | 15.0 | running,          | running, stairs, up   |
| 12180 | 10.0 | running,          | running, on a track, team practice  |
| 12190 | 8.0  | running,          | running, training, pushing a wheelchair   |
| 13000 | 2.0  | self care,        | standing - getting ready for bed, in general  |
| 13009 | 1.0  | self care,        | sitting on toilet   |
| 13010 | 1.5  | self care,        | bathing (sitting)   |
| 13020 | 2.0  | self care,        | dressing, undressing (standing or sitting)  |
| 13030 | 1.5  | self care.        | eating (sitting)  |
| 13035 | 2.0  | self care,        | talking and eating or eating only (standing)  |
| 13036 | 1.0  | self care,        | taking medication, sitting or standing  |
| 13040 | 2.0  | self care,        | grooming (washing, shaving, brushing teeth, urinating, washing hands, putting on make-up), sitting or standing      |
| 13045 | 2.5  | self care,        | hairstyling   |
| 13046 | 1.0  | self care,        | having hair or nails done by someone else, sitting  |
| 13050 | 2.0  | self care,        | showering, toweling off (standing)  |
| 14010 | 1.5  | sexual activity,  | active, vigorous effort   |
| 14020 | 1.3  | sexual activity,  | general, moderate effort  |
| 14030 | 1.0  | sexual activity,  | passive, light effort, kissing, hugging   |
| 15010 | 3.5  | sports,           | archery (non-hunting)   |
| 15020 | 7.0  | sports,           | badminton, competitive (Taylor Code 450)  |
| 15030 | 4.5  | sports,           | badminton, social singles and doubles, general  |
| 15040 | 8.0  | sports,           | basketball, game (Taylor Code 490)  |
| 15050 | 6.0  | sports,           | basketball, non-game, general (Taylor Code 480)   |
| 15060 | 7.0  | sports,           | basketball, officiating (Taylor Code 500)   |
| 15070 | 4.5  | sports,           | basketball, shooting baskets  |
| 15075 | 6.5  | sports,           | basketball, wheelchair  |
| 15080 | 2.5  | sports,           | billiards   |
| 15090 | 3.0  | sports,           | bowling (Taylor Code 390)   |
| 15100 | 12.0 | sports,           | boxing, in ring, general  |
| 15110 | 6.0  | sports,           | boxing, punching bag  |
| 15120 | 9.0  | sports,           | boxing, sparring  |
| 15130 | 7.0  | sports,           | broomball   |
| 15135 | 5.0  | sports,           | children's games (hopscotch, 4-square, dodge ball, playground apparatus, t-ball, tetherball, marbles, jacks, acrace |
|       |      | -F,               | games)  |
| 15140 | 4.0  | sports,           | coaching: football, soccer, basketball, baseball, swimming, etc.  |
| 15150 | 5.0  | sports,           | cricket (batting, bowling)  |
| 15160 | 2.5  | sports,           | croquet   |
| 15170 | 4.0  | sports,           | curling   |
| 15180 | 2.5  | sports,           | darts, wall or lawn   |
| 15190 | 6.0  | sports,           | drag racing, pushing or driving a car   |
| 15200 | 6.0  | sports,           | fencing   |
| 15210 | 9.0  | sports,           | football, competitive   |
| 15230 | 8.0  | sports,           | football, touch, flag, general (Taylor Code 510)  |
| 15235 | 2.5  | sports,           | football or baseball, playing catch   |
| 15240 | 3.0  | sports,           | frisbee playing, general  |
| 15250 | 8.0  | sports,           | frisbee, ultimate   |
| 15255 | 4.5  | sports,           | golf, general   |
| 15265 | 4.5  | sports,           | golf, walking and carrying clubs (See footnote at end of the Compendium)  |
| 15270 | 3.0  | sports,           | golf, miniature, driving range  |
| 15285 | 4.3  | sports,           | golf, walking and pulling clubs (See footnote at end of the Compendium)   |
|       |      |                   | •   |

Figure 1—Continued.

| 15290   3.5   sports,      | CODE  | METS | SPECIFIC ACTIVITY | EXAMPLES   |
|--|-------|------|-------------------|--|
| 15310  | 15290 | 3.5  | sports,           | golf, using power cart (Taylor Code 070)         |
| 15320   12.0   sports,   handball, general (Taylor Code 520)   | 15300 | 4.0  | sports,           | gymnastics, general                              |
| 15340  | 15310 | 4.0  | sports,           | hacky sack                                       |
| 15340   3.5   sports,   hand gliding     15350   8.0   sports,   hockey, field     15370   4.0   sports,   horseback riding, general     15380   3.5   sports,   horseback riding, saddling horse, grooming horse     15380   3.5   sports,   horseback riding, saddling horse, grooming horse     15390   6.5   sports,   horseback riding, walking     15400   2.5   sports,   horseback riding, walking     15410   3.0   sports,   horseback riding, walking     15420   12.0   sports,   jugling     15430   10.0   sports,   jugling     15440   4.0   sports,   jugling     15450   7.0   sports,   jugling     15470   4.0   sports,   jugling     15480   9.0   sports,   larosse     15490   10.0   sports,   motor-cross     15490   10.0   sports,   paddleball, competitive     15510   8.0   sports,   paddleball, competitive     15510   8.0   sports,   racquetball, competitive     15520   10.0   sports,   racquetball, casual, general (Taylor Code 460)     15513   11.0   sports,   rock climbing, assending rock     15550   12.0   sports,   rope jumping, afast     15551   10.0   sports,   rope jumping, afast     15550   12.0   sports,   shuffleboard, lawn bowling     15580   5.0   sports,   sports,   skateboarding     15591   12.5   sports,   sports,   skateboarding     15500   10.0   sports,   sports,   skateboarding     15600   10.0   sports,   sports,   skateboarding     15600   10.0   sports,   sports,   softball, general (Taylor Code 540)     15610   7.0   sports,   sports,   skateboarding     15600   10.0   sports,   sports,   softball, general (Taylor Code 540)     15600   10.0   sports,   sports,   softball, jetching     15600   10.0   sports,   sports,   softball, general (Taylor Code 440)     15600   10.0   sports,   softsall, jetching           | 15320 | 12.0 | sports,           | handball, general (Taylor Code 520)              |
| 15350   8.0   sports,   hockey, fiel     15360   8.0   sports,   hockey, fee     15370   4.0   sports,   horseback riding, general     15380   3.5   sports,   horseback riding, general     15380   3.5   sports,   horseback riding, rotting     15400   2.5   sports,   horseback riding, rotting     15410   3.0   sports,   horseback riding, walking     15420   12.0   sports,   horseback riding, walking     15420   12.0   sports,   horseback riding, walking     15430   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15440   4.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15450   8.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15460   8.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15470   4.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15480   7.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15480   9.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15480   9.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15490   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15490   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15490   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15490   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15490   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15500   10.0   sports,   paddleball, competitive     15500   10.0   sports,   paddleball, competitive     15500   10.0   sports,   paddleball, competitive     15500   10.0   sports,   racquetball, casual, general (Taylor Code 470)     15530   12.0   sports,   racquetball, casual, general (Taylor Code 470)     15530   12.0   sports,   rock climbing, ascending rock     15540   10.0   sports,   rock climbing, ascending rock     15550   10.0   sports,   rock climbing, ascending rock     15500   10.0   sports,   sports,   satisfied, in-line skating)     15500   10.0   sports,   sports,     | 15330 | 8.0  | sports,           | handball, team                                   |
| 15350   8.0   sports,   hockey, field     15370   4.0   sports,   horseback riding, general     15380   3.5   sports,   horseback riding, general     15380   3.5   sports,   horseback riding, general     15390   6.5   sports,   horseback riding, general     15400   2.5   sports,   horseback riding, general     15410   3.0   sports,   horseback riding, general     15420   12.0   sports,   horseback riding, general     15430   10.0   sports,   jaid alai     15430   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15440   4.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15450   7.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15460   8.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15470   4.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15480   9.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15480   9.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15480   9.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15480   9.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15490   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15490   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15490   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15490   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15490   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15490   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15490   10.0   sports,   paddleball, competitive     15500   10.0   sports,   paddleball, competitive     15530   10.0   sports,   paddleball, competitive     15530   10.0   sports,   racqueball, casual, general (Taylor Code 470)     15530   10.0   sports,   rock climbing, ascending rock     15540   10.0   sports,   sports,   rock climbing, ascending rock     15530   10.0   sports,   sports,   saludleball, casual, general (Taylor Cod   | 15340 | 3.5  | sports,           | hand gliding                                     |
| 15370   4.0   sports, sports, horseback riding, general  | 15350 | 8.0  | sports,           | hockey, field                                    |
| 15380   3.5   sports,   horseback riding, saddling horse, grooming horse     15390   6.5   sports,   horseback riding, walking     15410   3.0   sports,   horseback riding, walking     15410   3.0   sports,   horseback riding, walking     15420   12.0   sports,   juagiling     15430   10.0   sports,   juagiling     15440   4.0   sports,   juagiling     15450   7.0   sports,   juagiling     15460   8.0   sports,   juagiling     15470   4.0   sports,   juagiling     15480   9.0   sports,   juagiling     15480   9.0   sports,   juagiling     15480   9.0   sports,   juagiling     15480   9.0   sports,   juagiling     15590   6.0   sports,   paddleball, competitive     15510   8.0   sports,   paddleball, competitive     15520   10.0   sports,   paddleball, competitive     15530   7.0   sports,   paddleball, competitive     15530   7.0   sports,   racquetball, casual, general (Taylor Code 470)     15531   11.0   sports,   racquetball, casual, general (Taylor Code 470)     15535   11.0   sports,   rock climbing, ascending rock     15550   12.0   sports,   rock climbing, ascending rock     15551   10.0   sports,   rock climbing, ascending rock     15552   8.0   sports,   rope jumping, fast   rope jumping, fast     15550   7.0   sports,   rope jumping, slow   rope jumping, slow     15580   5.0   sports,   rope jumping, slow   rope jumping, slow     15590   7.0   sports,   skateboarding   skateboarding   skateboarding   skateboarding   skateboarding   shorts,   skateboarding   skateboarding   shorts,   skateboarding   shorts,   skateboarding   shorts,   skateboarding   shorts,   soports,   softball, officiating   soccer, competitive   softball, off   | 15360 | 8.0  | sports,           | hockey, ice                                      |
| 15390   6.5   sports,   horseback riding, trotting   sports,   horseback riding, walking   sports,   horseback riding, walking   sports,   sport   | 15370 | 4.0  | sports,           | horseback riding, general                        |
| 15400   2.5   sports, sports, horseshoe pitching, quoits     15410   3.0   sports, sports, judo, jujitsu, karate, kick boxing, tae kwan do     15430   10.0   sports, judo, jujitsu, karate, kick boxing, tae kwan do     15440   4.0   sports, juggling     15450   7.0   sports, kickball     15460   8.0   sports, sports   | 15380 | 3.5  | sports,           | horseback riding, saddling horse, grooming horse |
| 15410   3.0   sports,   sports,   jai alai     15420   12.0   sports,   jai alai     15430   10.0   sports,   jai alai     15440   4.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15440   4.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do     15450   7.0   sports,   kickball     15460   8.0   sports,   lacrosse     15470   4.0   sports,   motor-cross     15480   9.0   sports,   paddleball, competitive     15590   10.0   sports,   paddleball, competitive     15590   10.0   sports,   paddleball, competitive     15590   10.0   sports,   paddleball, competitive     15530   7.0   sports,   paddleball, competitive     15530   7.0   sports,   paddleball, competitive     15530   7.0   sports,   racquetball, competitive     15530   11.0   sports,   racquetball, competitive     15530   11.0   sports,   racquetball, competitive     15530   12.0   sports,   racquetball, casual, general (Taylor Code 470)     15551   10.0   sports,   rock climbing, ascending rock     15552   8.0   sports,   rock climbing, aspending rock     15553   10.0   sports,   rock climbing, aspending rock     15554   10.0   sports,   rope jumping, flast     15555   10.0   sports,   rope jumping, slow     15570   3.0   sports,   sports,   rope jumping, slow     15580   5.0   sports,   skateboarding     15580   5.0   sports,   skateboarding     15600   10.0   sports,   skating, roller (Taylor Code 360)     15601   10.0   sports,   sootts,   sootts     15602   5.0   sports,   sootts     15603   10.0   sports,   sootts     15604   6.0   sports,   sootts     15605   10.0   sports,   sootts     15606   12.0   sports,   sootts     15607   7.0   sports,   sootts     15608   6.0   sports,   sootts     15609   8.0   sports,   tennis, general     15609   8.0   sports,   tennis, doubles (Taylor Code 440)     15609   8.0   sports,   tennis, doubles (Taylor Code 420)     15710   4.0   sports,   volleyball (Taylor Code 400)   | 15390 | 6.5  | sports,           | horseback riding, trotting                       |
| 15420   12.0   sports,   | 15400 | 2.5  | sports,           | horseback riding, walking                        |
| 15430   10.0   sports,   judo, jujitsu, karate, kick boxing, tae kwan do   15440   4.0   sports,   juggling     15450   7.0   sports,   kickball     15460   8.0   sports,   motor-cross   motor-cro   | 15410 | 3.0  | sports,           | horseshoe pitching, quoits                       |
| 15440   4.0   sports, sports, kickball     15450   7.0   sports, sports, kickball     15460   8.0   sports, sports, sports, sports, sports, sports, sports, sports, sports, spaddleball, competitive     15480   9.0   sports, sports, spaddleball, casual, general (Taylor Code 460)     15500   6.0   sports, sports, spolo     15510   8.0   sports, sports, spolo     15520   10.0   sports, racquetball, casual, general (Taylor Code 470)     15530   7.0   sports, racquetball, casual, general (Taylor Code 470)     15530   7.0   sports, racquetball, casual, general (Taylor Code 470)     15531   1.0   sports, rock climbing, ascending rock rock climbing, rappelling     15550   12.0   sports, rock climbing, rappelling     15551   10.0   sports, rope jumping, fast rope jumping, slow rugby     15550   10.0   sports, rope sports, rope jumping, slow rugby     15570   3.0   sports, skating, roller (Taylor Code 360)     15590   7.0   sports, skating, roller (Taylor Code 360)     15500   3.5   sports, skating, roller (Taylor Code 540)     15600   3.5   sports, sorts, sky diving     15600   5.0   sports, sorts, sortball or baseball, fast or slow pitch, general (Taylor Code 440)     15630   4.0   sports, sorts, softball or baseball, fast or slow pitch, general (Taylor Code 440)     15630   4.0   sports, sorts, softball, pitching     15640   6.0   sports, sorts, softball, pitching     15650   12.0   sports, sorts, softball, pitching     15650   15660   4.0   sports, sorts, sorts, softball pitching     15660   5.0   sports, sorts, softball pitching     15670   7.0   sports, sorts, sorts, softball pitching     15670   7.0   sports, sorts, sorts, softball pitching     15670   7.0   sports, sorts, sorts, sorts, softball pitching     15670   4.0   sports, sorts,   | 15420 | 12.0 | sports,           | jai alai   |
| 15450   7.0   sports,   kickball   15460   8.0   sports,   lacrosse   lacro   | 15430 | 10.0 | sports,           | judo, jujitsu, karate, kick boxing, tae kwan do  |
| 15460   8.0   sports,   skateboarding   skating, roller (Taylor Code 360)   sports,   sports,   skating, roller (Taylor Code 360)   sports,   sports,   skating, roller (Taylor Code 360)   sports,   sports,   sports,   sky diving   sports,   spo   | 15440 | 4.0  | sports,           | juggling   |
| 15470   4.0   sports,   sports,   orienteering     15480   9.0   sports,   sports,   paddleball, competitive     15500   6.0   sports,   paddleball, casual, general (Taylor Code 460)     15510   8.0   sports,   polo     15520   10.0   sports,   racquetball, casual, general (Taylor Code 470)     15530   7.0   sports,   racquetball, casual, general (Taylor Code 470)     15535   11.0   sports,   rock climbing, ascending rock     15540   8.0   sports,   rock climbing, rappelling     15551   12.0   sports,   rope jumping, fast     15552   8.0   sports,   rope jumping, moderate, general     15552   8.0   sports,   rope jumping, slow     15550   10.0   sports,   rope jumping, slow     15570   3.0   sports,   rugby     15580   5.0   sports,   skateboarding     15580   5.0   sports,   skateboarding     15590   7.0   sports,   skating, roller (Taylor Code 360)     15591   12.5   sports,   skating, roller (Taylor Code 360)     15500   3.5   sports,   sky diving     15600   3.5   sports,   sky diving     15600   5.0   sports,   soccer, casual, general (Taylor Code 540)     15610   7.0   sports,   softball or baseball, fast or slow pitch, general (Taylor Code 440)     15600   12.0   sports,   softball, pitching     15600   12.0   sports,   squash (Taylor Code 530)     15600   4.0   sports,   sports,   squash (Taylor Code 430)     15600   4.0   sports,   tennis, general     15600   5.0   sports,   tennis, doubles     1   | 15450 | 7.0  | sports,           | kickball   |
| 15480         9.0         sports,         paddleball, competitive           15490         10.0         sports,         paddleball, competitive           15500         6.0         sports,         paddleball, casual, general (Taylor Code 460)           15510         8.0         sports,         racquetball, casual, general (Taylor Code 470)           15530         7.0         sports,         racquetball, casual, general (Taylor Code 470)           15531         11.0         sports,         rock climbing, ascending rock           15540         8.0         sports,         rock climbing, ascending rock           15551         12.0         sports,         rock climbing, ascending rock           15551         10.0         sports,         rope jumping, ascending rock           15552         8.0         sports,         rope jumping, moderate, general           15550         12.0         sports,         rope jumping, slow           15570         3.0         sports,         rope jumping, slow           15570         3.0         sports,         rope jumping, slow           15570         7.0         sports,         skateboarding           15580         5.0         sports,         skateboarding           15590   | 15460 | 8.0  | sports,           | lacrosse   |
| 15490         10.0         sports,         paddleball, competitive           15500         6.0         sports,         paddleball, casual, general (Taylor Code 460)           15510         8.0         sports,         polo           15520         10.0         sports,         racquetball, competitive           15530         7.0         sports,         racquetball, casual, general (Taylor Code 470)           15535         11.0         sports,         rock climbing, ascending rock           15540         8.0         sports,         rock climbing, rappelling           15551         12.0         sports,         rope jumping, fast           15552         8.0         sports,         rope jumping, slow           15550         10.0         sports,         rope jumping, slow           15550         10.0         sports,         rope jumping, slow           15570         3.0         sports,         rope jumping, slow           15580         5.0         sports,         shuffleboard, lawn bowling           15580         5.0         sports,         skateboarding           15590         7.0         sports,         skateboarding           15590         7.0         sports,         skateboarding   | 15470 | 4.0  | sports,           | motor-cross                                      |
| 15500   6.0   sports,   sports,   paddleball, casual, general (Taylor Code 460)     15510   8.0   sports,   polo     15520   10.0   sports,   racquetball, casual, general (Taylor Code 470)     15530   7.0   sports,   racquetball, casual, general (Taylor Code 470)     15535   11.0   sports,   rock climbing, ascending rock     15540   8.0   sports,   rock climbing, rappelling     15550   12.0   sports,   rope jumping, fast     15551   10.0   sports,   rope jumping, moderate, general (Taylor Code 470)     15552   8.0   sports,   rope jumping, moderate, general (Taylor Code 360)     15550   3.0   sports,   shuffleboard, lawn bowling     15570   3.0   sports,   skatieboarding     15580   5.0   sports,   skating, roller (Taylor Code 360)     15591   12.5   sports,   skating, roller (Taylor Code 360)     15600   3.5   sports,   skating, roller (Taylor Code 360)     15600   3.5   sports,   soccer, competitive     15600   10.0   sports,   soccer, competitive     15600   5.0   sports,   soccer, casual, general (Taylor Code 540)     15600   5.0   sports,   softball, officiating     15600   4.0   sports,   softball, officiating     15600   4.0   sports,   softball, pitching     15600   4.0   sports,   sopots,   talchi     15600   5.0   sports,   talchi     15600   6.0   sports,   talchi     15600   7.0   sports,   talchi     15600   8.0   sports,   tennis, general     15600   8.0   sports,   tennis, singles (Taylor Code 420)     15600   8.0   sports,   tennis, singles (Taylor Code 420)     15600   8.0   sports,   tennis, singles (Taylor Code 420)     15700   3.5   sports,   tennis, singles (Taylor Code 400)   | 15480 | 9.0  | sports,           | orienteering                                     |
| 15510   8.0   sports,   sports,   racquetball, competitive   racquetball, casual, general (Taylor Code 470)  | 15490 | 10.0 | sports,           | paddleball, competitive                          |
| 15520 10.0 sports, racquetball, competitive racquetball, casual, general (Taylor Code 470) rock climbing, ascending rock rock climbing, ascending rock rock climbing, rappelling rock of climbing, rappelling rock rock climbing, rappelling rock climbing, slow rock piumping, slow rock piumping, slow rock jumping, sast pumping, sast pumping, sacterial prock jumping, sast pumping, sas | 15500 | 6.0  | sports,           | paddleball, casual, general (Taylor Code 460)    |
| 15530         7.0         sports,         racquetball, casual, general (Taylor Code 470)           15535         11.0         sports,         rock climbing, ascending rock           15540         8.0         sports,         rock climbing, rappelling           15550         12.0         sports,         rope jumping, fast           15551         10.0         sports,         rope jumping, moderate, general           15552         8.0         sports,         rope jumping, moderate, general           15550         10.0         sports,         rugby           15570         3.0         sports,         shuffleboard, lawn bowling           15580         5.0         sports,         skateboarding           15590         7.0         sports,         skateboarding           15591         12.5         sports,         skateboarding           15600         3.5         sports,         sky diving           15600         3.5         sports,         sky diving           15610         7.0         sports,         soccer, competitive           15620         5.0         sports,         softball of baseball, fast or slow pitch, general (Taylor Code 440)           15630         4.0         sports,         sof  | 15510 | 8.0  | sports,           | polo   |
| 15535         11.0         sports,         rock climbing, ascending rock           15540         8.0         sports,         rock climbing, rappelling           15550         12.0         sports,         rope jumping, fast           15551         10.0         sports,         rope jumping, moderate, general           15552         8.0         sports,         rope jumping, slow           15550         10.0         sports,         sbuffleboard, lawn bowling           15580         5.0         sports,         skateboarding           15590         7.0         sports,         skating, roller (Taylor Code 360)           15591         12.5         sports,         sky diving           15600         3.5         sports,         sky diving           15600         3.5         sports,         soccer, competitive           15610         7.0         sports,         soccer, casual, general (Taylor Code 540)           15620         5.0         sports,         softball or baseball, fast or slow pitch, general (Taylor Code 440)           15630         4.0         sports,         softball, officiating           15640         4.0         sports,         squash (Taylor Code 530)           15660         4.0 <td< td=""><td>15520</td><td>10.0</td><td>sports,</td><td>racquetball, competitive</td></td<>   | 15520 | 10.0 | sports,           | racquetball, competitive                         |
| 15540         8.0         sports,         rock climbing, rappelling           15550         12.0         sports,         rope jumping, fast           15551         10.0         sports,         rope jumping, moderate, general           15552         8.0         sports,         rope jumping, moderate, general           15560         10.0         sports,         rugby           15570         3.0         sports,         shuffleboard, lawn bowling           15580         5.0         sports,         skateboarding           15590         7.0         sports,         skateboarding           15591         12.5         sports,         skating, roller (Taylor Code 360)           15600         3.5         sports,         sky diving           15605         10.0         sports,         soccer, competitive           15610         7.0         sports,         soccer, casual, general (Taylor Code 540)           15630         4.0         sports,         softball, officiating           15640         6.0         sports,         softball, pitching           15650         12.0         sports,         sports,           15660         4.0         sports,         table tennis, ping pong (Taylor Code 410)  | 15530 | 7.0  | sports,           | racquetball, casual, general (Taylor Code 470)   |
| 15550         12.0         sports,         rope jumping, fast           15551         10.0         sports,         rope jumping, moderate, general           15552         8.0         sports,         rope jumping, slow           15550         10.0         sports,         rugby           15570         3.0         sports,         shuffleboard, lawn bowling           15580         5.0         sports,         skateboarding           15590         7.0         sports,         skating, roller (Taylor Code 360)           15591         12.5         sports,         roller blading (in-line skating)           15605         10.0         sports,         soccer, competitive           15610         7.0         sports,         soccer, casual, general (Taylor Code 540)           15620         5.0         sports,         softball or baseball, fast or slow pitch, general (Taylor Code 440)           15630         4.0         sports,         softball, officiating           15640         6.0         sports,         softball, pitching           15650         12.0         sports,         squash (Taylor Code 530)           15660         4.0         sports,         table tennis, ping pong (Taylor Code 410)           15675         <  | 15535 | 11.0 | sports,           | rock climbing, ascending rock                    |
| 15551         10.0         sports,         rope jumping, moderate, general           15552         8.0         sports,         rope jumping, slow           15560         10.0         sports,         rugby           15570         3.0         sports,         shuffleboard, lawn bowling           15580         5.0         sports,         skateboarding           15590         7.0         sports,         skateing, roller (Taylor Code 360)           15591         12.5         sports,         sky diving           15605         10.0         sports,         soccer, competitive           15610         7.0         sports,         soccer, competitive           15620         5.0         sports,         softball or baseball, fast or slow pitch, general (Taylor Code 440)           15630         4.0         sports,         softball, officiating           15640         6.0         sports,         softball, pitching           15650         12.0         sports,         squash (Taylor Code 530)           15660         4.0         sports,         table tennis, ping pong (Taylor Code 410)           15675         7.0         sports,         tennis, general           15680         6.0         sports, <t< td=""><td>15540</td><td>8.0</td><td>sports,</td><td>rock climbing, rappelling</td></t<>   | 15540 | 8.0  | sports,           | rock climbing, rappelling                        |
| 15552         8.0         sports,         rope jumping, slow           15560         10.0         sports,         rugby           15570         3.0         sports,         shuffleboard, lawn bowling           15580         5.0         sports,         skateboarding           15590         7.0         sports,         skating, roller (Taylor Code 360)           15591         12.5         sports,         sky diving           15600         3.5         sports,         sky diving           15600         10.0         sports,         soccer, competitive           15610         7.0         sports,         soccer, casual, general (Taylor Code 540)           15620         5.0         sports,         softball or baseball, fast or slow pitch, general (Taylor Code 440)           15630         4.0         sports,         softball, officiating           15640         6.0         sports,         squash (Taylor Code 530)           15650         12.0         sports,         taichi           15670         4.0         sports,         taichi           15675         7.0         sports,         tennis, general           15685         5.0         sports,         tennis, doubles (Taylor Code 430) <td>15550</td> <td>12.0</td> <td>sports,</td> <td>rope jumping, fast</td>   | 15550 | 12.0 | sports,           | rope jumping, fast                               |
| 15560         10.0         sports,         rugby           15570         3.0         sports,         shuffleboard, lawn bowling           15580         5.0         sports,         skateboarding           15590         7.0         sports,         skating, roller (Taylor Code 360)           15591         12.5         sports,         roller blading (in-line skating)           15600         3.5         sports,         sky diving           15605         10.0         sports,         soccer, competitive           15610         7.0         sports,         soccer, competitive           15620         5.0         sports,         soccer, competitive           15630         4.0         sports,         soccer, casual, general (Taylor Code 540)           15630         4.0         sports,         softball or baseball, fast or slow pitch, general (Taylor Code 440)           15640         6.0         sports,         softball, pitching           15650         12.0         sports,         squash (Taylor Code 530)           15660         4.0         sports,         table tennis, ping pong (Taylor Code 410)           15675         7.0         sports,         tennis, doubles (Taylor Code 430)           15685         5.0 <td>15551</td> <td>10.0</td> <td>sports,</td> <td></td>   | 15551 | 10.0 | sports,           |  |
| 15570         3.0         sports,         shuffleboard, lawn bowling           15580         5.0         sports,         skateboarding           15590         7.0         sports,         skating, roller (Taylor Code 360)           15591         12.5         sports,         sky diving           15600         3.5         sports,         sky diving           15610         7.0         sports,         soccer, competitive           15610         7.0         sports,         soccer, casual, general (Taylor Code 540)           15620         5.0         sports,         softball or baseball, fast or slow pitch, general (Taylor Code 440)           15630         4.0         sports,         softball, officiating           15640         6.0         sports,         softball, pitching           15650         12.0         sports,         squash (Taylor Code 530)           15660         4.0         sports,         talchi           15675         7.0         sports,         tennis, general           15680         6.0         sports,         tennis, doubles (Taylor Code 430)           15685         5.0         sports,         tennis, doubles (Taylor Code 420)           15700         3.5         sports,  | 15552 | 8.0  | sports,           | rope jumping, slow                               |
| 15580         5.0         sports,         skateboarding           15590         7.0         sports,         skating, roller (Taylor Code 360)           15591         12.5         sports,         roller blading (in-line skating)           15600         3.5         sports,         sky diving           15610         7.0         sports,         soccer, competitive           15610         7.0         sports,         soccer, casual, general (Taylor Code 540)           15620         5.0         sports,         softball or baseball, fast or slow pitch, general (Taylor Code 440)           15630         4.0         sports,         softball, officiating           15650         12.0         sports,         softball, pitching           15650         12.0         sports,         squash (Taylor Code 530)           15660         4.0         sports,         table tennis, ping pong (Taylor Code 410)           15675         7.0         sports,         tennis, general           15680         6.0         sports,         tennis, doubles (Taylor Code 430)           15685         5.0         sports,         tennis, singles (Taylor Code 420)           15700         3.5         sports,         tennis, singles (Taylor Code 420)           <   | 15560 | 10.0 | sports,           | rugby  |
| 15590         7.0         sports,         skating, roller (Taylor Code 360)           15591         12.5         sports,         roller blading (in-line skating)           15600         3.5         sports,         sky diving           15605         10.0         sports,         soccer, competitive           15610         7.0         sports,         soccer, casual, general (Taylor Code 540)           15620         5.0         sports,         softball or baseball, fast or slow pitch, general (Taylor Code 440)           15630         4.0         sports,         softball, officiating           15640         6.0         sports,         squash (Taylor Code 530)           15650         12.0         sports,         table tennis, ping pong (Taylor Code 410)           15670         4.0         sports,         tai chi           15675         7.0         sports,         tennis, general           15680         6.0         sports,         tennis, doubles (Taylor Code 430)           15685         5.0         sports,         tennis, singles (Taylor Code 420)           15700         3.5         sports,         tennis, singles (Taylor Code 420)           15700         3.5         sports,         tennis, singles (Taylor Code 400)  | 15570 | 3.0  | sports,           | shuffleboard, lawn bowling                       |
| 15591         12.5         sports,         roller blading (in-line skating)           15600         3.5         sports,         sky diving           15605         10.0         sports,         soccer, competitive           15610         7.0         sports,         soccer, casual, general (Taylor Code 540)           15620         5.0         sports,         softball or baseball, fast or slow pitch, general (Taylor Code 440)           15630         4.0         sports,         softball, officiating           15640         6.0         sports,         softball, pitching           15650         12.0         sports,         squash (Taylor Code 530)           15660         4.0         sports,         table tennis, ping pong (Taylor Code 410)           15675         7.0         sports,         tennis, general           15680         6.0         sports,         tennis, doubles (Taylor Code 430)           15685         5.0         sports,         tennis, singles (Taylor Code 420)           15700         3.5         sports,         tennis, singles (Taylor Code 420)           15710         4.0         sports,         volleyball (Taylor Code 400)  | 15580 | 5.0  | sports,           |  |
| 15600         3.5         sports,         sky diving           15605         10.0         sports,         soccer, competitive           15610         7.0         sports,         soccer, casual, general (Taylor Code 540)           15620         5.0         sports,         softball or baseball, fast or slow pitch, general (Taylor Code 440)           15630         4.0         sports,         softball, officiating           15650         12.0         sports,         softball, pitching           15660         4.0         sports,         squash (Taylor Code 530)           15670         4.0         sports,         table tennis, ping pong (Taylor Code 410)           15675         7.0         sports,         tennis, general           15680         6.0         sports,         tennis, doubles (Taylor Code 430)           15685         5.0         sports,         tennis, doubles           15690         8.0         sports,         tennis, singles (Taylor Code 420)           15700         3.5         sports,         tennis, singles (Taylor Code 420)           15710         4.0         sports,         volleyball (Taylor Code 400)  | 15590 | 7.0  | sports,           |  |
| 15605         10.0         sports,         soccer, competitive           15610         7.0         sports,         soccer, casual, general (Taylor Code 540)           15620         5.0         sports,         softball or baseball, fast or slow pitch, general (Taylor Code 440)           15630         4.0         sports,         softball, officiating           15650         12.0         sports,         squash (Taylor Code 530)           15660         4.0         sports,         table tennis, ping pong (Taylor Code 410)           15675         7.0         sports,         tennis, general           15680         6.0         sports,         tennis, doubles (Taylor Code 430)           15685         5.0         sports,         tennis, doubles           15690         8.0         sports,         tennis, singles (Taylor Code 420)           15700         3.5         sports,         trampoline           15710         4.0         sports,         volleyball (Taylor Code 400)   | 15591 |      | sports,           |  |
| 15610         7.0         sports,         soccer, casual, general (Taylor Code 540)           15620         5.0         sports,         softball or baseball, fast or slow pitch, general (Taylor Code 440)           15630         4.0         sports,         softball, officiating           15640         6.0         sports,         softball, pitching           15650         12.0         sports,         squash (Taylor Code 530)           15660         4.0         sports,         tai chi           15670         4.0         sports,         tai chi           15675         7.0         sports,         tennis, general           15680         6.0         sports,         tennis, doubles (Taylor Code 430)           15685         5.0         sports,         tennis, doubles           15690         8.0         sports,         tennis, sigles (Taylor Code 420)           15700         3.5         sports,         trampoline           15710         4.0         sports,         volleyball (Taylor Code 400)  |       |      | sports,           |  |
| 15620         5.0         sports,         softball or baseball, fast or slow pitch, general (Taylor Code 440)           15630         4.0         sports,         softball, officiating           15640         6.0         sports,         softball, pitching           15650         12.0         sports,         squash (Taylor Code 530)           15660         4.0         sports,         table tennis, ping pong (Taylor Code 410)           15675         7.0         sports,         tennis, general           15680         6.0         sports,         tennis, doubles (Taylor Code 430)           15685         5.0         sports,         tennis, doubles           15690         8.0         sports,         tennis, singles (Taylor Code 420)           15700         3.5         sports,         trampoline           15710         4.0         sports,         volleyball (Taylor Code 400)   |       |      | sports,           |  |
| 15630       4.0       sports,       softball, officiating         15640       6.0       sports,       softball, pitching         15650       12.0       sports,       squash (Taylor Code 530)         15660       4.0       sports,       table tennis, ping pong (Taylor Code 410)         15675       7.0       sports,       tennis, general         15680       6.0       sports,       tennis, doubles (Taylor Code 430)         15685       5.0       sports,       tennis, singles (Taylor Code 420)         15700       3.5       sports,       trampoline         15710       4.0       sports,       volleyball (Taylor Code 400)   |       |      | sports,           |  |
| 15640         6.0         sports,         softball, pitching           15650         12.0         sports,         squash (Taylor Code 530)           15660         4.0         sports,         table tennis, ping pong (Taylor Code 410)           15675         7.0         sports,         tennis, general           15680         6.0         sports,         tennis, doubles (Taylor Code 430)           15685         5.0         sports,         tennis, doubles           15690         8.0         sports,         tennis, singles (Taylor Code 420)           15700         3.5         sports,         trampoline           15710         4.0         sports,         volleyball (Taylor Code 400)   | 15620 |      | sports,           |  |
| 15650       12.0       sports,       squash (Taylor Code 530)         15660       4.0       sports,       table tennis, ping pong (Taylor Code 410)         15670       4.0       sports,       tai chi         15675       7.0       sports,       tennis, general         15680       6.0       sports,       tennis, doubles (Taylor Code 430)         15685       5.0       sports,       tennis, doubles         15690       8.0       sports,       tennis, singles (Taylor Code 420)         15700       3.5       sports,       trampoline         15710       4.0       sports,       volleyball (Taylor Code 400)  |       |      | sports,           |  |
| 15660       4.0       sports,       table tennis, ping pong (Taylor Code 410)         15670       4.0       sports,       tai chi         15675       7.0       sports,       tennis, general         15680       6.0       sports,       tennis, doubles (Taylor Code 430)         15685       5.0       sports,       tennis, doubles         15690       8.0       sports,       tennis, singles (Taylor Code 420)         15700       3.5       sports,       trampoline         15710       4.0       sports,       volleyball (Taylor Code 400)  |       |      | sports,           |  |
| 15670       4.0       sports,       tai chi         15675       7.0       sports,       tennis, general         15680       6.0       sports,       tennis, doubles (Taylor Code 430)         15685       5.0       sports,       tennis, doubles         15690       8.0       sports,       tennis, singles (Taylor Code 420)         15700       3.5       sports,       trampoline         15710       4.0       sports,       volleyball (Taylor Code 400)  |       |      | sports,           |  |
| 15675     7.0     sports,     tennis, general       15680     6.0     sports,     tennis, doubles (Taylor Code 430)       15685     5.0     sports,     tennis, doubles       15690     8.0     sports,     tennis, singles (Taylor Code 420)       15700     3.5     sports,     trampoline       15710     4.0     sports,     volleyball (Taylor Code 400)  |       |      | •                 |  |
| 15680       6.0       sports,       tennis, doubles (Taylor Code 430)         15685       5.0       sports,       tennis, doubles         15690       8.0       sports,       tennis, singles (Taylor Code 420)         15700       3.5       sports,       trampoline         15710       4.0       sports,       volleyball (Taylor Code 400)  |       |      | sports,           |  |
| 15685       5.0       sports,       tennis, doubles         15690       8.0       sports,       tennis, singles (Taylor Code 420)         15700       3.5       sports,       trampoline         15710       4.0       sports,       volleyball (Taylor Code 400)  |       |      | •                 |  |
| 15690       8.0       sports,       tennis, singles (Taylor Code 420)         15700       3.5       sports,       trampoline         15710       4.0       sports,       volleyball (Taylor Code 400)  |       |      |                   |  |
| 15700       3.5       sports,       trampoline         15710       4.0       sports,       volleyball (Taylor Code 400)  |       |      | •                 |  |
| 15710 4.0 sports, volleyball (Taylor Code 400)   |       |      | •                 |  |
|  |       |      | •                 |  |
| 15711 8.0 sports, volleyball, competitive, in gymnasium  |       |      | -                 |  |
|  | 15711 | 8.0  | sports,           | volleyball, competitive, in gymnasium            |

Figure 1—Continued.

| CODE           | METS | SPECIFIC ACTIVITY | EXAMPLES   |
|----------------|------|-------------------|--|
| 15720          | 3.0  | sports,           | volleyball, non-competitive, 6 - 9 member team, general  |
| 15725          | 8.0  | sports,           | volleyball, beach  |
| 15730          | 6.0  | sports,           | wrestling (one match = 5 minutes)  |
| 15731          | 7.0  | sports,           | wallyball, general   |
| 15732          | 4.0  | sports,           | track and field (shot, discus, hammer throw)   |
| 15733          | 6.0  | sports,           | track and field (high jump, long jump, triple jump, javelin, pole vault)                                 |
| 15734          | 10.0 | sports,           | track and field (steeplechase, hurdles)  |
| 16010          | 2.0  | transportation,   | automobile or light truck (not a semi) driving   |
| 16015          | 1.0  | transportation,   | riding in a car or truck   |
| 16016          | 1.0  | transportation,   | riding in a bus  |
| 16020          | 2.0  | transportation,   | flying airplane  |
| 16030          | 2.5  | transportation,   | motor scooter, motorcycle  |
| 16040          | 6.0  | transportation,   | pushing plane in and out of hangar   |
| 16050          | 3.0  | transportation,   | driving heavy truck, tractor, bus  |
| 17010          | 7.0  | walking,          | backpacking (Taylor Code 050)  |
| 17020          | 3.5  | walking,          | carrying infant or 15 pound load (e.g. suitcase), level ground or downstairs                             |
| 17025          | 9.0  | walking,          | carrying load upstairs, general  |
|                | 5.0  | 2,                |  |
| 17026<br>17027 | 6.0  | walking,          | carrying 1 to 15 lb load, upstairs<br>carrying 16 to 24 lb load, upstairs                                |
| 17027          |      | walking,          |  |
| 17028          | 8.0  | walking,          | carrying 25 to 49 lb load, upstairs  |
| 17029          | 10.0 | walking,          | carrying 50 to 74 lb load, upstairs  |
|                | 12.0 | walking,          | carrying 74+ lb load, upstairs   |
| 17031          | 3.0  | walking,          | loading /unloading a car   |
| 17035          | 7.0  | walking,          | climbing hills with 0 to 9 pound load  |
| 17040          | 7.5  | walking,          | climbing hills with 10 to 20 pound load  |
| 17050          | 8.0  | walking,          | climbing hills with 21 to 42 pound load  |
| 17060          | 9.0  | walking,          | climbing hills with 42+ pound load   |
| 17070          | 3.0  | walking,          | downstairs   |
| 17080          | 6.0  | walking,          | hiking, cross country (Taylor Code 040)  |
| 17085          | 2.5  | walking,          | bird watching  |
| 17090          | 6.5  | walking,          | marching, rapidly, military  |
| 17100          | 2.5  | walking,          | pushing or pulling stroller with child or walking with children  |
| 17105          | 4.0  | walking,          | pushing a wheelchair, non-occupational setting   |
| 17110          | 6.5  | walking,          | race walking   |
| 17120          | 8.0  | walking,          | rock or mountain climbing (Taylor Code 060)  |
| 17130          | 8.0  | walking,          | up stairs, using or climbing up ladder (Taylor Code 030)   |
| 17140          | 5.0  | walking,          | using crutches   |
| 17150          | 2.0  | walking,          | walking, household   |
| 17151          | 2.0  | walking,          | walking, less than 2.0 mph, level ground, strolling, very slow   |
| 17152          | 2.5  | walking,          | walking, 2.0 mph, level, slow pace, firm surface   |
| 17160          | 3.5  | walking,          | walking for pleasure (Taylor Code 010)   |
| 17161          | 2.5  | walking,          | walking from house to car or bus, from car or bus to go places, from car or bus to and from the worksite |
| 17162          | 2.5  | walking,          | walking to neighbor's house or family's house for social reasons   |
| 17165          | 3.0  | walking,          | walking the dog  |
| 17170          | 3.0  | walking,          | walking, 2.5 mph, firm surface   |
| 17180          | 2.8  | walking,          | walking, 2.5 mph, downhill   |
| 17190          | 3.3  | walking,          | walking, 3.0 mph, level, moderate pace, firm surface   |
| 17200          | 3.8  | walking,          | walking, 3.5 mph, level, brisk, firm surface, walking for exercise                                       |
| 17210          | 6.0  | walking,          | walking, 3.5 mph, uphill   |
| 17220          | 5.0  | walking,          | walking, 4.0 mph, level, firm surface, very brisk pace   |
| 17230          | 6.3  | walking,          | walking, 4.5 mph, level, firm surface, very, very brisk  |
|                |      |                   | E: 1 C 1   |
|                |      |                   |  |

Figure 1—Continued.

| CODE  | METS | SPECIFIC ACTIVITY  | EXAMPLES   |
|-------|------|--------------------|--|
| 17231 | 8.0  | walking,           | walking, 5.0 mph   |
| 17250 | 3.5  | walking,           | walking, for pleasure, work break  |
| 17260 | 5.0  | walking,           | walking, grass track   |
| 17270 | 4.0  | walking,           | walking, to work or class (Taylor Code 015)  |
| 17280 | 2.5  | walking,           | walking to and from an outhouse  |
| 18010 | 2.5  | water activities,  | boating, power   |
| 18020 | 4.0  | water activities,  | canoeing, on camping trip (Taylor Code 270)  |
| 18025 | 3.3  | water activities,  | canoeing, harvesting wild rice, knocking rice off the stalks                         |
| 18030 | 7.0  | water activities,  | canoeing, portaging  |
| 18040 | 3.0  | water activities,  | canoeing, rowing, 2.0-3.9 mph, light effort  |
| 18050 | 7.0  | water activities,  | canoeing, rowing, 4.0-5.9 mph, moderate effort                                       |
| 18060 | 12.0 | water activities,  | canoeing, rowing, >6 mph, vigorous effort  |
| 18070 | 3.5  | water activities,  | canoeing, rowing, for pleasure, general (Taylor Code 250)                            |
| 18080 | 12.0 | water activities,  | canoeing, rowing, in competition, or crew or sculling (Taylor Code 260)              |
| 18090 | 3.0  | water activities,  | diving, springboard or platform  |
| 18100 | 5.0  | water activities,  | kayaking   |
| 18110 | 4.0  | water activities,  | paddle boat  |
| 18120 | 3.0  | water activities,  | sailing, boat and board sailing, windsurfing, ice sailing, general (Taylor Code 235) |
| 18130 | 5.0  | water activities,  | sailing, in competition  |
| 18140 | 3.0  | water activities,  | sailing, Sunfish/Laser/Hobby Cat, Keel boats, ocean sailing, yachting                |
| 18150 | 6.0  | water activities,  | skiing, water (Taylor Code 220)  |
| 18160 | 7.0  | water activities.  | skimobiling  |
| 18180 | 16.0 | water activities,  | skindiving, fast   |
| 18190 | 12.5 | water activities,  | skindiving, moderate   |
| 18200 | 7.0  | water activities,  | skindiving, scuba diving, general (Taylor Code 310)                                  |
| 18210 | 5.0  | water activities,  | snorkeling (Taylor Code 320)   |
| 18220 | 3.0  | water activities,  | surfing, body or board   |
| 18230 | 10.0 | water activities,  | swimming laps, freestyle, fast, vigorous effort                                      |
| 18240 | 7.0  | water activities,  | swimming laps, freestyle, slow, moderate or light effort                             |
| 18250 | 7.0  | water activities,  | swimming, backstroke, general  |
| 18260 | 10.0 | water activities,  | swimming, breaststroke, general  |
| 18270 | 11.0 | water activities,  | swimming, butterfly, general   |
| 18280 | 11.0 | water activities,  | swimming, crawl, fast (75 yards/minute), vigorous effort                             |
| 18290 | 8.0  | water activities,  | swimming, crawl, slow (50 yards/minute), moderate or light effort                    |
| 18300 | 6.0  | water activities,  | swimming, lake, ocean, river (Taylor Codes 280, 295)                                 |
| 18310 | 6.0  | water activities,  | swimming, leisurely, not lap swimming, general                                       |
| 18320 | 8.0  | water activities,  | swimming, sidestroke, general  |
| 18330 | 8.0  | water activities,  | swimming, synchronized   |
| 18340 | 10.0 | water activities.  | swimming, treading water, fast vigorous effort                                       |
| 18350 | 4.0  | water activities,  | swimming, treading water, moderate effort, general                                   |
| 18355 | 4.0  | water activities,  | water aerobics, water calisthenics   |
| 18360 | 10.0 | water activities,  | water polo   |
| 18365 | 3.0  | water activities,  | water volleyball   |
| 18366 | 8.0  | water activities,  | water jogging  |
| 18370 | 5.0  | water activities,  | whitewater rafting, kayaking, or canoeing  |
| 19010 | 6.0  | winter activities, | moving ice house (set up/drill holes, etc.)  |
| 19020 | 5.5  | winter activities, | skating, ice, 9 mph or less  |
| 19030 | 7.0  | winter activities, | skating, ice, general (Taylor Code 360)  |
| 19040 | 9.0  | winter activities, | skating, ice, rapidly, more than 9 mph   |
| 19050 | 15.0 | winter activities, | skating, speed, competitive  |
| 19060 | 7.0  | winter activities, | ski jumping (climb up carrying skis)   |
|       |      | •                  |  |

Figure 1—Continued.

| CODE  | METS | SPECIFIC ACTIVITY     | EXAMPLES   |
|-------|------|-----------------------|--|
| 19075 | 7.0  | winter activities,    | skiing, general  |
| 19080 | 7.0  | winter activities,    | skiing, cross country, 2.5 mph, slow or light effort, ski walking                          |
| 19090 | 8.0  | winter activities,    | skiing, cross country, 4.0-4.9 mph, moderate speed and effort, general                     |
| 19100 |      | winter activities,    | skiing, cross country, 5.0-7.9 mph, brisk speed, vigorous effort                           |
| 19110 | 14.0 | winter activities,    | skiing, cross country, >8.0 mph, racing  |
| 19130 | 16.5 | winter activities,    | skiing, cross country, hard snow, uphill, maximum, snow mountaineering                     |
| 19150 | 5.0  | winter activities,    | skiing, downhill, light effort   |
| 19160 | 6.0  | winter activities,    | skiing, downhill, moderate effort, general   |
| 19170 | 8.0  | winter activities,    | skiing, downhill, vigorous effort, racing  |
| 19180 | 7.0  | winter activities,    | sledding, tobogganing, bobsledding, luge (Taylor Code 370)                                 |
| 19190 | 8.0  | winter activities,    | snow shoeing   |
| 19200 | 3.5  | winter activities,    | snowmobiling   |
| 20000 | 1.0  | religious activities, | sitting in church, in service, attending a ceremony, sitting quietly                       |
| 20001 | 2.5  | religious activities, | sitting, playing an instrument at church   |
| 20005 | 1.5  | religious activities, | sitting in church, talking or singing, attending a ceremony, sitting, active participation |
| 20010 | 1.3  | religious activities, | sitting, reading religious materials at home   |
| 20015 | 1.2  | religious activities, | standing in church (quietly), attending a ceremony, standing quietly                       |
| 20020 | 2.0  | religious activities, | standing, singing in church, attending a ceremony, standing, active participation          |
| 20025 | 1.0  | religious activities, | kneeling in church/at home (praying)   |
| 20030 | 1.8  | religious activities, | standing, talking in church  |
| 20035 | 2.0  | religious activities, | walking in church  |
| 20036 | 2.0  | religious activities, | walking, less than 2.0 mph - very slow   |
| 20037 | 3.3  | religious activities, | walking, 3.0 mph, moderate speed, not carrying anything                                    |
| 20038 | 3.8  | religious activities, | walking, 3.5 mph, brisk speed, not carrying anything                                       |
| 20039 | 2.0  | religious activities, | walk/stand combination for religious purposes, usher                                       |
| 20040 | 5.0  | religious activities, | praise with dance or run, spiritual dancing in church                                      |
| 20045 | 2.5  | religious activities, | serving food at church   |
| 20046 | 2.0  | religious activities, | preparing food at church   |
| 20047 | 2.3  | religious activities, | washing dishes/cleaning kitchen at church  |
| 20050 | 1.5  | religious activities, | eating at church   |
| 20055 | 2.0  | religious activities, | eating/talking at church or standing eating, American Indian Feast days                    |
| 20060 | 3.0  | religious activities, | cleaning church  |
| 20061 | 5.0  | religious activities, | general yard work at church  |
| 20065 | 2.5  | religious activities, | standing - moderate (lifting 50 lbs., assembling at fast rate)                             |
| 20095 | 4.0  | religious activities, | standing - moderate/heavy work   |
| 20100 | 1.5  | religious activities, | typing, electric, manual, or computer  |
| 21000 | 1.5  | volunteer activities, | sitting - meeting, general, and/or with talking involved                                   |
| 21005 | 1.5  | volunteer activities, | sitting - light office work, in general  |
| 21010 | 2.5  | volunteer activities, | sitting - moderate work  |
| 21015 | 2.3  | volunteer activities, | standing - light work (filing, talking, assembling)  |
| 21016 | 2.5  | volunteer activities, | sitting, child care, only active periods   |
| 21017 | 3.0  | volunteer activities, | standing, child care, only active periods  |
| 21018 | 4.0  | volunteer activities, | walk/run play with children, moderate, only active periods                                 |
| 21019 | 5.0  | volunteer activities, | walk/run play with children, vigorous, only active periods                                 |
| 21020 | 3.0  | volunteer activities, | standing - light/moderate work (pack boxes, assemble/repair, set up chairs/furniture)      |
| 21025 | 3.5  | volunteer activities, | standing - moderate (lifting 50 lbs., assembling at fast rate)                             |
| 21030 | 4.0  | volunteer activities, | standing - moderate/heavy work   |
| 21035 | 1.5  | volunteer activities, | typing, electric, manual, or computer  |
| 21040 | 2.0  | volunteer activities, | walking, less than 2.0 mph, very slow  |
| 21045 | 3.3  | volunteer activities, | walking, 3.0 mph, moderate speed, not carrying anything                                    |
| 21050 | 3.8  | volunteer activities, | walking, 3.5 mph, brisk speed, not carrying anything                                       |
| 21055 | 3.0  | volunteer activities, | walking, 2.5 mph slowly and carrying objects less than 25 pounds                           |
| 21060 | 4.0  | volunteer activities, | walking, 3.0 mph moderately and carrying objects less than 25 pounds, pushing sometl       |
| 21065 | 4.5  | volunteer activities, | walking, 3.5 mph, briskly and carrying objects less than 25 pounds                         |
| 21070 | 3.0  | volunteer activities, | walk/stand combination, for volunteer purposes   |
|       |      |                       |  |