**Supporting table 3 - Reliability results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Questionnaire** | Sample | | Reliability | Quality of reliability results | Overall Quality |
| n; % Women; Age mean ± SD or Age range (years) | Time between test and retest | Results |
| **Physical Activity** | | | | | |
| Nord-Trøndelag Health Study PA Questionnaire (HUNT 1)30 | 102; N.R.; N.R. | 1 week | Frequency *rho* = 0.87\*\* | + | + |
| Intensity: *rho* = 0.87\*\* | + |
| Duration: *rho* = 0.78\*\* | - |
| Frequency Weighted *kappa* = 0.80 | + |
| Intensity Weighted *k11appa* = 0.82 | + |
| Duration Weighted kappa = 0.69 | - |
| Past Year Total Physical Activity Questionnaire (PYTPAQ)31 | 154; 51% women; 48.7 ± 7.7 | 9 weeks | Total physical activity *ICC* = 0.66 (95% CI: 0.56 to 0.74) | - | - |
|  |  | VPA *ICC* = 0.72 (95% CI: 0.56 to 0.83) | + |
|  |  | LPA /MPA *ICC* = 0.55 (95% CI: 0.40 to 0.67) | - |
|  |  | Occup *ICC* = 0.58 (95% CI: 0.47 to 0.68) | - |
| Physical Activity Assessment Tool (PAAT)32 | 68; N.R.; N.R. | 1 week | Total physical activity *r* = 0.62\*\*\* | - | - |
|  |  | MPA *r* = 0.49\*\*\* | - |
|  |  | VPA *r* = 0.77`\*\*\* | + |
| Minnesota Leisure Time Physical Activity Questionnaire (Minnesota LTPA Q)33 | 78; 64.1% women; 20-59 years | 1 month | Total *r* = 0.92 | + | + |
|  |  |  | LPA *r* = 0.73 | - |
|  |  |  | MPA *r* = 0.80 | + |
|  |  |  | Vig *r* = 0.95 | + |
|  |  |  | Household chores *r* = 0.88 | + |
| Single Item Physical Activity Measure (SI PA M)34 | 240; 50% women; 18-64 years | 2 to 5 days | Physical activity wk *r* = 0.72 | - | - |
|  |  |  | Physical activity month *r* = 0.86 | + |
|  |  |  | Agreement categorical variables: Weighted *kappa* = 0.82 (95% CI: 0.69 to 0.82) | + |
| Godin Questionnaire (Godin Q)33 | 77; N.R.; N.R. | 1 month | Leisure score *r* = 0.62 | - | - |
|  |  |  | LPA *r* = 0.24 | - |
|  |  |  | MPA *r* = 0.36 | - |
|  |  |  | VPA *r* = 0.84 | - |
| CARDIA Physical Activity History (CARDIA)33 | 78; 64.1% women; 20-59 years | 1 month | Total physical activity *r* = 0.88 | + | + |
|  |  |  | MPA *r* = 0.66 | - |
|  |  |  | Vig *r* = 0.91 | + |
| College Alumnus Questionnaire (College Alumnus Q)33 | 58; N.R.; N.R. | 1 month | Total index *r* = 0.72 | - | - |
|  |  |  | Stairs *r* = -0.78 | - |
|  |  |  | Blocks *r* = 0.63 | - |
|  |  |  | Sports *r* = 0.75 | - |
| Minnesota Heart Health Program Questionnaire (MHHP Q)33 | 77; N.R.; N.R. | 1 month | Work index *r* = 0.91 | + | + |
|  |  |  | Leisure index *r* = 0.86 | + |
| Modified Historical Leisure Activity Questionnaire (MHLAQ)35 | 131; N.R.; 50.4 ± 7.6 years | 1 yr | Total physical activity *ICC* = 0.82\*\* | + | + |
|  |  |  | MPA *ICC* = 0.79 | + |
|  |  |  | VPA *ICC* = 0.86 | + |
|  |  |  | Leisure physical activity *ICC* = 0.80 | + |
|  |  |  | Household physical activity *ICC* = 0.73 | + |
| Modified version Active Australia Survey 1(MV – AAS1)36 | 159 women; 54-59 years | Median: 13 days | No physical activity category % agreement = 61% | ? | ? |
|  |  |  | Low PA category % agreement = 56% |
|  |  |  | MPA category % agreement = 40% |
|  |  |  | High physical activity category % agreement = 65% |
|  |  |  | Meet guidelines category % agreement = 76% |
|  |  |  | Frequency walking *rho* = 0.58 | - | - |
|  |  |  | Frequency MPA *rho* = 0.56 | - |
|  |  |  | Frequency VPA *rho* = 0.60 | - |
|  |  |  | Frequency Total physical activity *rho* = 0.58 | - |
|  |  |  | Mins/week walking *rho* = 0.58 | - |
|  |  |  | Mins/week MPA *rho* = 0.56 | - |
|  |  |  | Mins/week VPA *rho* = 0.61 | - |
|  |  |  | Mins/week Total physical activity *rho* = 0.64 | - |
| Modified version Active Australia Survey (MV – AAS2)37 | 63; 63% women; 49.5 ± 12.5 years | N.R. | Mins/week MPA *rho* = 0.40 (95% CI: 0.16 to 0.59) | - | - |
|  |  |  | Mins/week VPA *rho* = 0.64 (95% CI: 0.47 to 0.77) | - |
|  |  |  | Mins/week MVPA *rho* = 0.80 (95% CI: 0.68 to 0.87) | + |
|  |  |  | Mins/week walking *rho* = 0.76 (95% CI: 0.63 to 0.85) | - |
|  |  |  | Days/week MPA *kappa* = 0.63 (95% CI: 0.36 to 0.76) | - |
|  |  |  | Days/week VPA *kappa* = 0.43 (95% CI: 0.34 to 0.73) | - |
|  |  |  | Days/week MVPA *kappa* = 0.83 (95% CI: 0.61 to 0.93) | + |
|  |  |  | Days/week walking *kappa* = 0.64 (95% CI: 0.45 to 0.81) | - |
|  |  |  | Measurement error: Bland-Altman: LoA = -8.46 ± 110.96 + 0.54 x average of AAS administrations. | ? | ? |
| Adapted from Active Australia Survey (Adapt AAS)38 | 118; 53% women; 38 ± 15 years | 3 days | Mins/week men MPA *ICC* = 0.45 (95% CI: 0.21 to 0.64) | - | - |
|  |  |  | Mins/week men VPA *ICC* = 0.85 (95% CI: 0.74 to 0.91) | + |
|  |  |  | Mins/week men walk *ICC* = 0.22 (95% CI: -0.05 to 0.46) | - |
|  |  |  | Mins/week men Total physical activity *ICC* = 0.65 (95% CI: 0.33 to 0.84) | - |
|  |  |  | Days/week men MPA *ICC* = 0.71 (95% CI: 0.54 to 0.82) | + |
|  |  |  | Days/week men VPA *ICC* = 0.38 (95% CI: 0.13 to 0.59) | - |
|  |  |  | Days/week men walking *ICC* = 0.67 (95% CI: 0.48 to 0.78) | - |
|  |  |  | Mins/week women MPA *ICC* = 0.52 (95% CI: 0.32 to 0.68) | - |
|  |  |  | Mins/week women VPA *ICC* = 0.65 (95% CI: 0.48 to 0.77) | - |
|  |  |  | Mins/week women walk *ICC* = 0.75 (95% CI: 0.62 to 0.84) | + |
|  |  |  | Mins/week women Total physical activity *ICC* = 0.80 (95% CI: 0.69 to 0.87) | + |
|  |  |  | Days/week women MPA *ICC* = 0.53 (95% CI: 0.33 to 0.68) | - |
|  |  |  | Days/week women VPA *ICC* = 0.89 (95% CI: 0.82 to 0.93) | + |
|  |  |  | Days/week women walking *ICC* = 0.86 (95% CI: 0.77 to 0.91) | + |
|  |  |  | Meet guidelines men *kappa* = 0.64\*\*\* (agreement = 94.1%) | - |
|  |  |  | Meet guidelines women *kappa* = 0.55\*\*\* (agreement = 95.2%) | - |
| International Physical Activity Questionnaire – Walking Section (IPAQ-WS)39 | 1766; 55% women; 23-57 years | 3 days | IPAQ S7S *rho* = 0.77 | - | - |
|  |  |  | IPAQ SUS *rho* = 0.91 | + |
| Short Questionnaire  to Assess Health-enhancing physical activity (SQUASH)40 | 50; 28% women; 44 ± 6 years | 2 weeks | Total activity score *rho* = 0.58 | - | - |
|  |  |  | Within the intensity categories (2 to <4 MET) *rho* = 0.58 | - |
|  |  |  | Within the intensity categories (4 to <6.5 MET) *rho* = 0.54 | - |
|  |  |  | Within the intensity categories (>+ 6.5 MET) *rho* = 0.92 | + |
| European Prospective Investigation into Cancer and Nutrition Physical Activity Questionnaire (EPIC PAQ)41 | 182; 45% women; 50-65 years | 10 months | Total non-occup physical activity *rho* = 0.65\*\*\* (95% CI: 0.55 to 0.72) | - | - |
|  |  |  | VPA (self-rated) *rho* = 0.63\*\*\* (95% CI: 0.54 to 0.72) | - |
|  |  |  | VPA (MET-assigned) *rho* = 0.71\*\*\* (95% CI: 0.63 to 0.78) | - |
|  |  |  | LPA to MPA *rho* = 0.67\*\*\* (95% CI: 0.58 to 0.74) | - |
|  |  |  | Household physical activity *rho* = 0.73\*\*\* (95% CI: 0.66 to 0.79) | - |
|  |  |  | Recreational physical activity *rho* = 0.58\*\*\* (95% CI: 0.48 to 0.67) | - |
|  |  |  | Total physical activity index weighted *kappa* = 0.62\*\*\* (95% CI: 0.53 to 0.71) | - |
|  |  |  | Cambridge physical activity index weighted *kappa* = 0.66\*\*\* (95% CI: 0.58 to 0.74) | - |
|  |  |  | Measurement error: Although the mean difference in  MET-hours/week of non-occupational activity was small,  a Bland-Altman plot of these data (not presented) showed wide 95% LoA (-116.2 to 115.0). | ? | ? |
| 13-Item Physical Activity Questionnaire (13I-PAQ)42 | 54; N.R.; N.R. | 2 to 3 weeks | **Women** |  | + |
|  |  |  | Total physical activity *ICC* = 0.74 | + |
|  |  |  | Sport *ICC* = 0.83 | + |
|  |  |  | LTPA *ICC* = 0.81 | + |
|  |  |  | OHPA *ICC* = 0.63 | - |
|  |  |  | **Men** |  |
|  |  |  | Total physical activity *ICC* = 0.78 | + |
|  |  |  | Sport *ICC* = 0.92 | + |
|  |  |  | LTPA *ICC* = 0.79 | + |
|  |  |  | OHPA *ICC* = 0.59 | - |
| Questionnaire d’Activité Physique pour les Personnes Âgées (QAPPA)43 | 225; 62.7% women; 69.5 ± 7.3 years | 1 year | Moderate (METM) = *ICC* = 0.46 | - | - |
|  |  |  | Vigorous (METV) *ICC* = 0.63 | - |
|  |  |  | Moderate-to-vigorous (METT) *ICC* = 0.64 | - |
|  |  |  | "‘physically active vs inactive’ = 79.6% of individuals received the same classification at both test and retest (*kappa* = 0.44) | - |
|  |  |  | Measurement error: Bland Altman: There was no sizeable trend, but some variability was observed in both directions. | ? | ? |
| Incidental and Planned Exercise Questionnaire (IPEQ)44 | "Past Week Version" = 30 | 1 week | "Past Week Version" *ICC* = 0.77 | + | + |
|  | "Past 3 months Version" = 50 |  | "Past 3 months Version" *ICC* = 0.84 | + |
| Physical Activity Questionnaire for Elderly Japanese (PAQ-EJ)45 | 147; 58.50% women; 65-85 years | 1 month | Total Score *r* = 0.70 | - | - |
|  |  |  | Subtotal of lower intensity activity categories *r* = 0.64 | - |
|  |  |  | Subtotal of higher intensity activity categories *r* = 0.71 | - |
| The Longitudinal Ageing Study Amsterdam Physical Activity Questionnaire (LAPAQ)46 | 86; 52% women; 65.4–87.6 years | 2 weeks | Total physical activity *r* = 0.68 (95% CI: 0.55 to 0.80) | - | - |
|  |  |  | >= 6 METs *r* = 0.75 (95% CI: 0.47 to 0.87) | - |
|  |  |  | 3-5.99 METs *r* = 0.79 (95% CI: 0.69 to 0.88) | - |
|  |  |  | 2-2.99 METs *r* = 0.58 (95% CI: 0.42 to -0.72) | - |
|  |  |  | Total: ̄mean difference = 436, LOA = 436 ± 1.96\*1260 (min/2 weeks) |  |
|  |  |  | Mild: mean difference = 309, LOA = 309 ± 1.96\*1004 (min/2 weeks) |  |
|  |  |  | Moderate: mean difference = 102, LOA = 102 ± 1.96\*436 (min/2 weeks) |  |
|  |  |  | Vigorous: mean difference = 23, LOA = 23 ± 1.96\*258 (min/2 weeks) |  |
| Nordic Physical Activity Questionnaire (NPAQ-short)47 | 105; N.R.; N.R. | 2 weeks | MVPA open questions *rho* = 0.82\*\*\* | + | - |
|  |  |  | VPA open questions *rho* = 0.80\*\*\* | + |
|  |  |  | MVPA close questions weighted *kappa* = 0.66 (95% CI: 0.55 to 0.75) | - |
|  |  |  | VPA close questions weighted *kappa* = 0.59 (95% CI: 0.47 to 0.69) | - |
| Self-report physical activity questionnaire (SPAQ)48 | 150; 73.3% women; 60- over 80 years | 1 week | MET hours/week: |  | + |
|  |  |  | Total physical activity *r* = 0.93\* (95% CI: 4.99 to 11.22) | + |
|  |  |  | LPA *r* = 0.91\*\* (95% CI: -1.35 to 6.63) | + |
|  |  |  | MPA *r* = 0.94\*\* (95% CI: -7.59 to -3.34) | + |
|  |  |  | Household physical activity *r* = 0.90\*\* (95% CI: -6.07 to -2.76) | + |
|  |  |  | Occupational physical activity *r* = 0.69\*\* (95% CI: -4.88 to -2.02) | - |
|  |  |  | Leisure time recreation *r* = 0.87\*\* (95% CI: 6.4 to 11.79) | + |
|  |  |  | Leisure time exercise *r* = 0.96\*\* (95% CI: -1.08 to 1.19) | + |
|  |  |  | Transportation physical activity *r* = 0.91\* (95% CI: -2.94 to 4.62) | + |
| Transport and Physical Activity Questionnaire (TPAQ)49 | 166; 53.3% female, <30-≥65 years | 12.4 ± 6.6 days | For time spent in transport-related and recreational physical activity: |  | - |
|  |  |  | Walking for transport *ICC* = 0.59 (95% CI: 0.48 to 0.68) | - |
|  |  |  | Cycling for transport *ICC* = 0.61 (95% CI: 0.50 to 0.70) | - |
|  |  |  | Walking for recreation *ICC* = 0.48 (95% CI: 0.35 to 0.59) | - |
|  |  |  | Cycling for recreation *ICC* = 0.35 (95% CI: 0.20 to 0.47) | - |
|  |  |  | Moderate Leisure time physical activity *ICC* = 0.47 (95% CI: 0.34 to 0.58) | - |
|  |  |  | Vigorous Leisure time physical activity *ICC* = 0.63 (95% CI: 0.53 to 0.71) | - |
|  |  |  | Total physical activity *ICC* = 0.56 (95% CI: 0.45 to 0.66) | - |
|  |  |  | For frequency of participation in recreational physical activity: |  |
|  |  |  | Walking for recreation *ICC* = 0.80 (95% CI: 0.73 to 0.85) | + |
|  |  |  | Cycling for recreation *ICC* = 0.63 (95% CI: 0.53 to 0.71) | - |
|  |  |  | Moderate intensity Leisure time physical activity *ICC* = 0.13 (95% CI: 20.02 to 0.28) | - |
|  |  |  | Vigorous intensity Leisure time physical activity *ICC* = 0.52 (95% CI: 0.40 to 0.62) | - |
|  |  |  | Meet physical activity Guideline’s *kappa* = 0.60 | - |
| General Practice Physical Activity Questionnaire (GPPAQ)50 | 126; N.R.; N.R. | 3 months | Agreement = 56% |  | - |
|  |  |  | Weighted *Kappa* = 0.57 | - |
|  |  | 12 months | Agreement = 67% |  |
|  |  |  | Weighted *Kappa* = 0.63 | - |
| **Sedentary Behaviour** | | | | | |
| International Physical Activity Questionnaire - Sedentary Behavior (IPAQ-SB)51 | 257; 58% women; N.R. | 3 to 7 days | Short Form: |  | - |
|  |  |  | Weekday *rho* = 0.79 | - |
|  |  |  | Weekend *rho* = 0.84 | + |
|  |  |  | Total *rho* = 0.85 | + |
|  | 255; 56% women; N.R. |  | Long Form: |  | + |
|  |  |  | Weekday *rho* = 0.81 | + |
|  |  |  | Weekend *rho* = 0.84 | + |
|  |  |  | Total *rho* = 0.82 | + |
| Australian Longitudinal Study on Women’s Health - Sedentary Behavior Questions (ALSWH - SB Q)52 | 157 women; N.R. | 7–28 days | Weekday: |  | - |
|  |  |  | Transport *r* = 0.43; | - |
|  |  |  | Occup *ICC* = 0.79 (95% CI: 0.73 - 0.84) | + |
|  |  |  | TV *r* = 0.79 | - |
|  |  |  | Computer *ICC* = 0.63 (95% CI: 0.52 - 0.71) | - |
|  |  |  | Other leisure *r* = 0.34 | - |
|  |  |  | Weekend day: |  |
|  |  |  | Transport *r* = 0.31 | - |
|  |  |  | Occup *r* = 0.53 | - |
|  |  |  | TV *r* = 0.57 | - |
|  |  |  | Computer *ICC* = 0.72 (95% CI: 0.64 to 0.79) | + |
|  |  |  | Other leisure *r* = 0.31 | - |
|  | 96 men; N.R. | 7–28 days | Weekday: |  |
|  |  |  | Transport *r* = 0.60 | - |
|  |  |  | Occup *ICC* = 0.86 (95% CI: 0.79 to 0.90) | + |
|  |  |  | TV *ICC* = 0.65 (95% CI: 0.52 to 0.75) | - |
|  |  |  | Computer *ICC* = 0.62 (95% CI: 0.48 to 0.73) | - |
|  |  |  | Other leisure *r* = 0.38 | - |
|  |  |  | Weekend day: |  |
|  |  |  | Transport *r* = 0.40 | - |
|  |  |  | Occup *r* = 0.23 | - |
|  |  |  | TV *ICC* = 0.62 (95% CI: 0.48 to 0.73) | - |
|  |  |  | Computer *ICC* = 0.59 (95% CI: 0.44 to 0.71) | - |
|  |  |  | Other leisure *r* = 0.32 | - |
|  |  |  | Measurement error: Bland–Altman: Women self-report work-related sitting items on a weekday mean difference = -3.9 mins/day (LoA = -235.4 to 227.5) | ? | ? |
|  |  |  | Measurement error: Bland–Altman: Women self-report work-related sitting items on a weekend day mean difference = -5.6 mins/day (LoA = -125.1 to 113.9) | ? |
|  |  |  | Measurement error: Bland–Altman: Men self-report work-related sitting items on a weekday mean difference = -4.3 mins/day (LoA = -189.2 to 180.7) | ? |
|  |  |  | Measurement error: Bland–Altman: Men self-report work-related sitting items on a weekend day mean difference = -8.1 mins/day (LoA = -195.0 to 178.8) | ? |
| Self-reported sitting and breaks from sitting in the workplace (SBSW) 53 | 59; 54% women; 32.1± 9.9 years | 7 days | Sitting *ICC* = 0.78\*\* (95% CI: 0.65 to 0.86) | + | - |
|  |  |  | Breaks from sitting *ICC* = 0.65\*\* (95% CI: 0.48 to 0.78) | - |
| Workplace Sitting Breaks Questionnaire (SITBRQ)54 | 96; 62.5% women; ~18<60 years | 7-14 days | Frequency of breaks *rho* = 0.71 (95% CI: 0.59 to 0.79) | - | - |
|  |  |  | Frequency of breaks Cohen’s *kappa* = 0.74 (95% CI: 0.64 to 0.84) | + |
|  |  |  | Total duration of breaks *rho* = 0.59 (0.45 to 0.71) | - |
|  |  |  | Total duration of breaks Cohen’s *kappa* = 0.61 (0.38 to 0.85) | - |
|  |  |  | Total duration of breaks % correctly classified = 46.9% (36.9 to 56.9) |  | |
|  |  |  | Total duration of breaks % in same or adjacent category = 79.2% (71.0 to 87.3) |
|  |  |  | Frequency of breaks % correctly classified = 51.0% (95% CI: 41.0 to 61.0) |
|  |  |  | Frequency of breaks % in same or adjacent category = 85.4% (95% CI: 78.4 to 92.5) |
| Sedentary Behavior Questionnaire (SBQ)55 | 49; 67% women; 20.4 ± 1.3 years | 2 weeks | Weekday |  | + |
|  |  |  | TV *ICC* = 0.86 (95% CI: 0.76 to 0.92) | + |
|  |  |  | Computer games *ICC* = 0.83 (95% CI: 0.71 to .90) | + |
|  |  |  | Sit listen to music *ICC* = 0.71 (95% CI: 0.50 to 0.82) | + |
|  |  |  | Sit talk on telephone *ICC* = 0.81 (95% CI: 0.68 to 0.89) | + |
|  |  |  | Office/paperwork *ICC* = 0.77 (95% CI: 0.63 to 0.86) | + |
|  |  |  | Reading *ICC* = 0.64 (95% CI: 0.44 to 0.78) | - |
|  |  |  | Playing musical instrument *ICC* = 0.90 (95% CI: 0.82 to 0.94) | + |
|  |  |  | Arts and crafts *ICC* = 0.70 (95% CI: 0.53 to 0.82) | + |
|  |  |  | Sitting driving in car *ICC* = 0.76 (95% CI: 0.61 to 0.86) | + |
|  |  |  | Total scale *ICC* = 0.85 (95% CI: 0.75 to 0.91) | + |
|  |  |  | Weekend |  |
|  |  |  | TV *ICC* = 0.83 (95% CI: 0.72 to 0.90) | + |
|  |  |  | Computer games *ICC* = 0.80 (95% CI: 0.67 to 0.88) | + |
|  |  |  | Sit listen to music *ICC* = 0.67 (95% CI: 0.49 to 0.80) | - |
|  |  |  | Sit talk on telephone *ICC* = 0.73 (95% CI: 0.57 to 0.84) | + |
|  |  |  | Office/paperwork *ICC* = 0.64 (95% CI: 0.44 to 0.61) | - |
|  |  |  | Reading *ICC* = 0.48 (95% CI: 0.24 to 0.67) | - |
|  |  |  | Playing musical instrument *ICC* = 0.93 (95% CI: 0.87 to 0.96) | + |
|  |  |  | Arts and crafts *ICC* = 0.51 (95% CI: 0.27 to 0.69) | - |
|  |  |  | Sitting driving in car *ICC* = 0.72 (95% CI: 0.56 to 0.83) | + |
|  |  |  | Total scale *ICC* = 0.77 (95% CI: 0.63 to 0.86) | + |
| SED-GIH56 | 95; 69,5% women; 70.3 ± 5.0 years | Mean = 5.2 days | SED-GIH question *ICC* = 0.86 (CI = 0.79 to 0.90) | + | + |
|  |  |  | Agreement between the two SED-GIH question  answering occasions weighted *Kappa* = 0.77 (CI = 0.68 to 0.86) | + |
| Workforce Sitting Questionnaire (WSQ)57 | 91; N.R.; N.R. | 1 week | Workday |  | - |
|  |  |  | Transport *ICC* = 0.67 (95% CI: 0.54 to 0.77) | - |
|  |  |  | At work *ICC* = 0.63 (95% CI: 0.49 to 0.74) | - |
|  |  |  | Watching TV *ICC* = 0.91 (95% CI: 0.87 to 0.94) | + |
|  |  |  | Computer at home *ICC* = 0.56 (95% CI: 0.40 to 0.69) | - |
|  |  |  | Other leisure activities *ICC* = 0.68 (95% CI: 0.55 to 0.78) | - |
|  |  |  | Total, all domains *ICC* = 0.65 (95% CI: 0.51 to 0.75) | - |
|  |  |  | Non-Workday: |  |
|  |  |  | Transport *ICC* = 0.60 (95% CI: 0.45 to 0.72) | - |
|  |  |  | At work *ICC* = 0.50 (95% CI: 0.33 to 0.64) | - |
|  |  |  | Watching TV *ICC* = 0.79 (95% CI: 0.69 to 0.85) | + |
|  |  |  | Computer at home *ICC* = 0.81 (95% CI: 0.73 to 0.87) | + |
|  |  |  | Other leisure activities *ICC* = 0.59 (95% CI: 0.44 to 0.71) | - |
|  |  |  | Total, all domains *ICC* = 0.80 (95% CI: 0.72 to 0.87) | + |
|  |  |  | Average total, work and non-workdays *ICC* = 0.76 (95% CI: 0.66 to 0.83) | + |
| Japanese-Language Self-reported Measures for Assessing Adults Domain-Specific Sedentary Time (JSRM - SB)58 | 34; 41.2% women; 40.3 ± 11.4 years | 2 weeks | Workday |  | - |
|  |  |  | Car *ICC* = 0.85\*\* (95% CI: 0.71 to 0.92) | + |
|  |  |  | Public transport *ICC* = 0.60\*\* (95% CI: 0.33 to 0.78) | - |
|  |  |  | Work *ICC* = 0.89\*\* (95% CI: 0.80 to 0.95) | + |
|  |  |  | TV *ICC* = 0.76\*\* (95% CI: 0.58 to 0.88) | + |
|  |  |  | Computer use *ICC* = 0.72\*\* (95% CI: 0.51 to 0.85) | + |
|  |  |  | Leisure *ICC* = 0.45\*\* (95% CI: 0.15 to 0.68) | - |
|  |  |  | Total *ICC* = 0.77\*\* (95% CI: 0.60 to 0.88) | + |
|  |  |  | Non-Workday |  |
|  |  |  | Car *ICC* = 0.53\*\* (95% CI: 0.24 to 0.74) | - |
|  |  |  | Public transport *ICC* = 0.20 (95% CI: -0.15 to 0.50) | - |
|  |  |  | Work *ICC* = -0.07 (95% CI: -0.40 to 0.28) | - |
|  |  |  | TV *ICC* = 0.79\*\* (95% CI: 0.63 to 0.89) | + |
|  |  |  | Computer use *ICC* = 0.72\*\* (95% CI: 0.51 to 0.85) | + |
|  |  |  | Leisure *ICC* = 0.46\*\* (95% CI: 0.14 to 0.69) | - |
|  |  |  | Total *ICC* = 0.53\*\* (95% CI: 0.24 to 0.73) | - |
|  |  |  | Whole week |  |
|  |  |  | Car *ICC* = 0.83\*\* (95% CI: 0.69 to 0.91) | + |
|  |  |  | Public transport *ICC* = 0.47\*\* (95% CI: 0.17 to 0.70) | - |
|  |  |  | Work *ICC* = 0.83\*\* (95% CI: 0.69 to 0.91) | + |
|  |  |  | TV *ICC* = 0.82\*\* (95% CI: 0.67 to 0.91) | + |
|  |  |  | Computer use *ICC* = 0.74\* (95% CI: 0.54 to 0.86) | + |
|  |  |  | Leisure *ICC* = 0.53\*\* (95% CI: 0.25 to 0.73) | - |
|  |  |  | Total *ICC* = 0.74\*\* (95% CI: 0.55 to 0.86) | + |
| Longitudinal Aging Study Amsterdam questionnaire (LASA) 59 | 63; N.R. but not different from validity (p>0.27) | 23 ± 8 days | Total ST (6 items) *ICC* = 0.71 (95% CI 0.57 to 0.81). | + | + |
| SB question of the Yale Physical Activity Survey (YPAS - SB)60 | 58; S79% women; 66 – 88 years | 10 days | Sitting *ICC*= 0.59\*\* | - | - |
| Community Health Activities Model Program for Seniors SB questions (CHAMPS - SB) 60 | 58; 79% women; 66 – 88 yr | 10 days | Sitting *ICC*= 0.64\*\* | - | - |
| Cancer Prevention Study-3 Sedentary Time Survey (CPS-3 sitting time)61 | 713; % women; 31-72 years | 1 yr | Total Sitting *rho* = 0.67 (95% CI: 0.63 to 0.71) | - | - |
|  |  |  | TV *rho* = 0.74 (95% CI: 0.70 to 0.77) | - |
|  |  |  | Other sitting *rho* = 0.71 (95% CI: 0.67 to 0.74) | - |
| **Sleep** | | | | | |
| BRFSS sleep questions (BRFSS Sleep)62 | 300; 68% women; 18-96 years | 14 days | Comparing first measure to 14 days, Cronbach α was 0.76 (F = 0.31, df = 114, p = 0.57). | ? | ? |
|  |  | 30 days | Comparing first measure to 30 days, Cronbach α was 0.85 (F = 4.96, df = 135, p = 0.03) | ? |
| **Physical Activity + Sedentary Behaviour** | | | | | |
| Kaiser Physical Activity Survey (KPAS)63 | 50 women; 20-60 years | 1 month | Caregiving score *ICC* = 0.01 | - | + |
|  |  |  | Housework score *ICC* = 0.79 | + |
|  |  |  | Housework/caregiving score *ICC* = 0.81 | + |
|  |  |  | Sports/exercise *ICC* = 0.84 | + |
|  |  |  | Active living habits *ICC* = 0.82 | + |
|  |  |  | Occupation *ICC* = 0.85 | + |
|  |  |  | 3-point summary *ICC* = 0.82 | + |
|  |  |  | 4-point summary *ICC* = 0.84 | + |
| Sedentary, Transportation and Activity Questionnaire (STAQ)64 | 32; 53.1 % women; 20-62 years | 1 month | SB: |  | - |
|  |  |  | Total ST *ICC* = 0.52 (95% CI: 0.22 to 0.73) | - |
|  |  |  | Work *ICC* = 0.71 (95% CI: 0.49 to 0.84) | + |
|  |  |  | Transport *ICC* = 0.28 (95% CI: −0.06 to 0.56) | - |
|  |  |  | Leisure Time *ICC* = 0.37 (95% CI: 0.03 to 0.62) | - |
|  |  |  | Leisure SB: |  |
|  |  |  | Total *ICC* = 0.64 (95% CI: 0.38 to 0.80) | - |
|  |  |  | Total screen time *ICC* = 0.70 (95% CI: 0.48 to 0.84) | + |
|  |  |  | Tv/DVD *ICC* = 0.79 (95% CI: 0.61 to 0.89) | + |
|  |  |  | Computer/tablet/video games *ICC* = 0.64 (0.38 to 0.80) | - |
|  |  |  | Reading, writing, listening to music, sewing *ICC* = 0.26 (95% CI: −0.08 to 0.55) | - |
|  |  |  | Transport-related activities: |  |
|  |  |  | Active transport: |  |
|  |  |  | Walking *ICC* =0.61 (95% CI: 0.35 to 0.79) | - |
|  |  |  | Walking + cycling *ICC* = 0.47 (95% CI: 0.16 to 0.70) | - |
|  |  |  | Passive transport: |  |
|  |  |  | All transportation type *ICC* = 0.50 (95% CI: 0.20 to 0.72) | - |
|  |  |  | Car *ICC* = 0.67 (95% CI: 0.42 to 0.82) | - |
| International Physical Activity Questionnaire (IPAQ)65 | Short form past week: 19-151; N.R.; 18-65 years | 8-10 days | TEE *rho* = 0.66 to 0.88 | + | + |
|  |  |  | ST *rho* = 0.71 to 0.95 | + |
|  |  |  | Guideline’s compliance % = 93 to 100 |  |
|  | Short form usual week: 28-257; N.R.; 18-65 years | 8-10 days | TEE *rho* = 0.65 to 0.84 | + | + |
|  |  |  | ST *rho* = 0.58 to 0.94 | + |
|  |  |  | Guideline’s compliance % = 77 to 99 |  |
|  | Long form past week: 19-149; N.R.; 18-65 years | 8-10 days | TEE *rho* = 0.70 to 0.91 | + | + |
|  |  |  | ST *rho* = 0.74 to 0.89 | + |
|  |  |  | Guideline’s compliance % = 92 to 100 |  |
|  | Long form usual week: 28-255; N.R.; 18-65 years | 8-10 days | TEE *rho* = 0.69 to 0.93 | + | + |
|  |  |  | ST *rho* = 0.74 to 0.93 | + |
|  |  |  | Guideline’s compliance % = 90 to 100 |  |
| Australian Women’s Activity Survey (AWAS)66 | 40 women; 33 ± 5 years | 1 week | Sitting Time *ICC* = 0.42 (0.13 to 0.64) | - | - |
|  |  |  | LPA *ICC* = 0.66 (0.43 to 0.81) | - |
|  |  |  | MPA = 0.74 (0.56 to 0.85) | + |
|  |  |  | Vigorous physical activity = 0.66 (0.43 to 0.80) | - |
|  |  |  | Total Activity = 0.73 (0.51 to 0.86) | + |
| Workers’ sitting- and walking-time questionnaire Time Method (WSWQ- t-method)67 | 64; 40% women; men mean age: 46.3 ± 8.0 years; women mean age: 35.8 ± 7.5 years | 1 week | Workday: |  | - |
|  |  |  | During working time: |  |
|  |  |  | Sitting *ICC* = 0.85 (95% CI: 0.76 to 0.91) | + |
|  |  |  | Walking/Standing *ICC* = 0.83 (95% CI: 0.73 to 0.89) | + |
|  |  |  | During non-working time |  |
|  |  |  | Sitting *ICC* = 0.49 (95% CI: 0.28 to 0.66) | - |
|  |  |  | Walking/Standing *ICC* = 0.56 (95% CI: 0.37 to 0.71) | - |
|  |  |  | Non-workday: |  |
|  |  |  | Sitting *ICC* = 0.64 (95% CI: 0.47 to 0.76) | - |
|  |  |  | Walking/Standing *ICC* = 0.48 (95% CI: 0.27 to 0.65) | - |
| The Physical Activity Scale for the Elderly (PASE)68 | 254; N.R.; N.R. | 3-7 week | PASE activity score *r* = 0.84 | + | + |
| Community Health Activities Model Program for Seniors physical activity self-report questionnaire + transport items (CHAMPS+transport)69 | 748; N.R.; N.R. | 6 months | Low-LPA *ICC* = 0.70 | + | - |
|  |  |  | High-LPA *ICC* = 0.68 | - |
|  |  |  | MVPA *ICC* = 0.66 | - |
|  |  |  | Total PA duration *ICC* = 0.69 | - |
|  |  |  | MVPA caloric expenditure *ICC* = 0.61 | - |
|  |  |  | Total physical activity caloric expenditure *ICC* = 0.64 | - |
|  |  |  | Sedentary time *ICC* = 0.56 | - |
| Community Healthy Activities Model Program for Seniors (CHAMPS)70 | 249; 63.9% women; 65 - 90 years | 6 months | Caloric expenditure per week in at  least moderate intensity physical  activities *ICC* = 0.67 | - | - |
|  |  |  | Frequency per week in at least  moderate intensity physical activities *ICC* = 0.58 (0.60) | - |
|  |  |  | Caloric expenditure per week in all  listed physical activities *ICC* = 0.66 | - |
|  |  |  | Frequency per week in all listed  physical activities *ICC* = 0.62 | - |
| Modified Version of the MONICA Optional Study on Physical Activity Questionnaire(Modified MOSPA-Q)71 | 75; N.R.; N.R. | 1 week | Walking *ICC* = 0.89 (95% CI = 0.84 to 0.93) | + | - |
|  |  |  | Lifting/Carrying *ICC* = 0.82 (95% CI = 0.73 to 0.88) | + |
|  |  |  | Standing *ICC* = 0.64 (95% CI = 0.48 to 0.75) | - |
|  |  |  | Sitting *ICC* = 0.54 (95% CI = 0.36 to 0.68) | - |
| Occupational Sitting and Physical Activity Questionnaire (OSPAQ)71,72 | 84; N.R.; N.R. | 1 week | Walking *ICC* = 0.73 (95% CI = 0.62 to 0.82) | + | + |
|  |  |  | Heavy Work *ICC* = 0.97 (95% CI = 0.96 to 0.98) | + |
|  |  |  | Standing *ICC* = 0.90 (95% CI = 0.85 to 0.93) | + |
|  |  |  | Sitting *ICC* = 0.89 (95% CI = 0.83 to 0.92) | + |
|  | 75; 82.7% women; 42.87 ± 11.34 years | 1 week | Walking *ICC* = 0.01 (95% CI = −0.21 to 0.23) | - | - |
|  |  |  | Standing *ICC* = 0.37 (95% CI = 0.17 to 0.54) | - |
|  |  |  | Sitting *ICC* = 0.44 (95% CI = 0.24 to 0.60) | - |
| Rapid Assessment Disuse Index (RADI)73 | 157; N.R.; N.R. | 12-16 days | Total physical activity: |  | - |
|  |  |  | Week *ICC* = 0.73 (95% CI = 0.64 to 0.79) | + |
|  |  |  | Month *ICC* = 0.67 (95% CI = 0.57 to 0.75) | - |
|  |  |  | Year *ICC* = 0.67 (95% CI = 0.57 to 0.74) | - |
|  |  |  | Stairs: |  |
|  |  |  | Week *ICC* = 0.74 (95% CI = 0.65 to 0.80) | + |
|  |  |  | Month *ICC* = 0.64 (95% CI = 0.54 to 0.73) | - |
|  |  |  | Year *ICC* = 0.59 (95% CI = 0.48 to 0.68) | - |
|  |  |  | Sitting Time: |  |
|  |  |  | Week *ICC* = 0.56 (95% CI = 0.44 to 0.67) | - |
|  |  |  | Month *ICC* = 0.58 (95% CI = 0.46 to 0.67) | - |
|  |  |  | Year *ICC* = 0.60 (95% CI = 0.49 to 0.69) | - |
|  |  |  | RADI scores: |  |
|  |  |  | Wk *ICC* = 0.76 (95% CI = 0.70 to 0.83) | + |
|  |  |  | Month *ICC* = 0.74 (95% CI = 0.65 to 0.80) | + |
|  |  |  | Year *ICC* = 0.71 (95% CI = 0.62 to 0.78) | + |
|  |  |  | Cumulative RADI score *ICC* = 0.79 (0.73–0.85) | + |
| Global Physical Activity Questionnaire (GPAQ)74 | 148; N.R.; N.R. | 3 to 7 days | Work Domain (categorical) |  | + |
|  |  |  | Sedentary *kappa* (agreement) = 0.74 (87.8%) | + |
|  |  |  | Vigorous intensity *kappa* (agreement) = 0.88 (97.9%) | + |
|  |  |  | Moderate intensity *kappa* (agreement) = 0.87 (94.6%) | + |
|  |  |  | Transport: walking and cycling *kappa* (agreement) = 0.75 (91.2%) | + |
|  |  |  | Leisure Domain (categorical): |  |
|  |  |  | Sedentary *kappa* (agreement)= 0.82 (91.6%) | + |
|  |  |  | Vigorous intensity *kappa* (agreement)= 0.89 (95.9%) | + |
|  |  |  | Moderate intensity *kappa* (agreement)= 0.88 (94.6%) | + |
|  |  |  | Work Domain (continuous) |  |
|  |  |  | Vigorous intensity *rho* = 0.88\*\* | + |
|  |  |  | Moderate intensity *rho* = 0.85\*\* | + |
|  |  |  | Work total *rho* =0.83\*\* | + |
|  |  |  | Transport total *rho* = 0.90\*\* | + |
|  |  |  | Leisure domain |  |
|  |  |  | Vigorous intensity *rho* = 0.89\*\* | + |
|  |  |  | Moderate intensity *rho* = 0.83\*\* | + |
|  |  |  | Total *rho* = 0.88\*\* | + |
| **Sedentary Behaviour + Sleep** | | | | | |
| SIT-Q75 | 64; N.R.; N.R. | 1 month | Meals *ICC* = 0.60 (95% CI: 0.42 to 0.74) | - | - |
|  |  |  | Transportation *ICC* = 0.59 (95% CI: 0.41 to 0.73) | - |
|  |  |  | Occup = 0.86 (95% CI: 0.78 to 0.91) | + |
|  |  |  | Child and elder care *ICC* = 0.59 (95% CI: 0.40 to 0.73) | - |
|  |  |  | TV *ICC* = 0.84 (0.75 - 0.90) | + |
|  |  |  | Computer use *ICC* = 0.31 (0.07 - 0.52) | - |
|  |  |  | Leisure Time *ICC* = 0.61 (0.43 - 0.74) | - |
|  |  |  | Total sitting time *ICC* = 0.65 (0.49 - 0.78) | - |
|  |  |  | Categorical question: How often did you “break  up” the time you spent sitting during their primary “job” |  |
|  |  |  | absolute agreement = 55% |  |
|  |  |  | weighted *kappa* = 0.49 | - |
|  |  |  | Categorical question: breaking up time spent sitting whilst watching television |  |
|  |  |  | agreement = 61% |  |
|  |  |  | wk = 0.50 | - |
|  |  |  | Categorical question: how often participants ate snack foods whilst watching television |  |
|  |  |  | agreement = 56 |  |
|  |  |  | wk = 0.48 | - |
|  |  |  | Measurement error: Bland Altman: total sitting time (h/day): 95% LoA: 3.62 to 4.6; Overall, participants tended to report shorter periods of sedentary behaviour in the second administration of the SIT-Q. | ? | ? |
| **Physical Activity + Sedentary Behaviour + Sleep** | | | | | |
| Physical Activity Questionnaire (PAQ)76 | 111 men; N.R. | 6 months | Crude Total physical activity *rho* = 0.65\* | - | - |
|  |  |  | Total activity score *rho*=0.65\* | - |
|  |  |  | work/occupation *rho*=0.68\* | - |
|  |  |  | home/household *rho*=0.64\* | - |
|  |  |  | activity leisure-time *rho*=0.68\* | - |
|  |  |  | inactive leisure (TV/reading) *rho*=0.68\* | - |
|  |  |  | sleep *rho*=0.76\* | - |
| Athens Physical Activity Questionnaire (APAQ)77 | 60; 67% women; 21 ± 2 years | 7 to 14 days | Total EEXP *ICC* = 0.95 (95% CI: 0.92 to 0.97)\* | + | + |
|  |  |  | Occupational EEXP *ICC* = 0.78 (95% CI: 0.65 to 0.86)\* | + |
|  |  |  | Home EEXP *ICC* = 0.58 (95% CI: 0.38 to 0.73)\* | - |
|  |  |  | Recreational EEXP *ICC* = 0.85 (95% CI: 0.76 to 0.91)\* | + |
| Sedentary Time and Activity Reporting Questionnaire (STAR-Q)78 | 95; N.R.; N.R. | 3 months | TEE, kcal/day *ICC* = 0.84 (95% CI: 0.77 - 0.89) | + | - |
|  |  |  | AEE, kcal/day *ICC* = 0.73 (95% CI: 0.62 - 0.81) | + |
|  |  |  | Sleeping *ICC* = 0.79 (95% CI: 0.70 - 0.85) | + |
|  |  |  | Stair-climbing, flights/day *ICC* = 0.45 (95% CI: 0.28 - 0.60) | - |
|  |  |  | Active sitting *ICC* = 0.45 (95% CI: 0.28 - 0.60) | - |
|  |  |  | Overall Activity: |  |
|  |  |  | SB *ICC* = 0.53 (95% CI: 0.37 - 0.66) | - |
|  |  |  | Light intensity *ICC* = 0.60 (95% CI: 0.46 - 0.71) | - |
|  |  |  | Moderate intensity *ICC* = 0.45 (95% CI: 0.28 - 0.60) | - |
|  |  |  | Vigorous intensity *ICC* = 0.65 (95% CI: 0.52 - 0.75) | - |
|  |  |  | Exercise, sports, and  leisure activity |  |
|  |  |  | General *ICC* = 0.63 (95% CI: 0.49 - 0.74) | - |
|  |  |  | Light intensity *ICC* = 0.44 (95% CI: 0.26 - 0.59) | - |
|  |  |  | Mod intensity *ICC* = 0.42 (95% CI: 0.24 - 0.57) | - |
|  |  |  | Vig intensity *ICC* = 0.59 (95% CI: 0.44 - 0.71) | - |
|  |  |  | Occup activity: |  |
|  |  |  | General *ICC* = 0.76 (95% CI: 0.66 - 0.83) | + |
|  |  |  | Sitting *ICC* = 0.69 (95% CI: 0.57 - 0.78) | - |
|  |  |  | SB *ICC* = 0.71 (95% CI: 0.60 - 0.80) | + |
|  |  |  | Light intensity *ICC* = 0.65 (95% CI: 0.52 - 0.75) | - |
|  |  |  | Mod intensity *ICC* = 0.44 (95% CI: 0.26 - 0.59) | - |
|  |  |  | Light leisure activity: |  |
|  |  |  | General *ICC* = 0.65 (95% CI: 0.52 - 0.75) | - |
|  |  |  | TV *ICC* = 0.72 (95% CI: 0.61 - 0.80) | + |
|  |  |  | Computer *ICC* = 0.60 (95% CI: 0.46 - 0.71) | - |
|  |  |  | Reading *ICC* = 0.56 (95% CI: 0.41 - 0.68) | - |
| Question 8 of the Paffenbarger Physical Activity Questionnaire (Q 8 PPAQ)79 | 130; 51.2% women; 44.0 ± 15.8 years for men, 45.3 ± 16.9 for women | 1 week | Light intensity *ICC* = 0.49 (95% CI: 0.38 to 0.59) | - | - |
|  |  |  | Light intensity SEM = 2.0 |  |
|  |  |  | Moderate intensity *ICC* = 0.61 (95% CI: 0.52 to 0.68) | - |
|  |  |  | Moderate intensity SEM = 1.7 |  |
|  |  |  | Vig intensity *ICC* = 0.67 (95% CI: 0.59 to 0.72) | - |
|  |  |  | VPA SEM = 1.0 |  |
|  |  |  | SB *ICC* = 0.71 (95% CI: 0.61 to 0.74) | + |
|  |  |  | SB SEM = 1.9 |  |
| EPIC-Norfolk Physical Activity Questionnaire (EPAQ2)80 | 399; 53.13 % women; men age: 65.0 ± 8.2 years; women age: 63.8 ± 8.4 years | 3 months | Men: |  | - |
|  |  |  | TV *rho* = 0.75 | - |
|  |  |  | TV k = 0.71 | - |
|  |  |  | Activity at home *kappa* = 0.77 | + |
|  |  |  | Activity at home *rho* = 0.61 | - |
|  |  |  | Activity at work *rho* =0.57 | - |
|  |  |  | Activity at work *kappa* = 0.79 | + |
|  |  |  | Recreational activity *rho* = 0.69 | - |
|  |  |  | Recreational activity *kappa* = 0.54 | - |
|  |  |  | VPA *rho* = 0.75 | - |
|  |  |  | VPA *kappa* = 0.58 | - |
|  |  |  | Physical activity index *rho* = 0.74 | - |
|  |  |  | Physical activity index *kappa* =0.66 | - |
|  |  |  | Women: |  |
|  |  |  | TV *rho* = 0.78 | - |
|  |  |  | TV *kappa* = 0.74 | + |
|  |  |  | Activity at home *rho* = 0.74 | - |
|  |  |  | Activity at home *kappa* = 0.62 | - |
|  |  |  | Activity at work *rho* =0.37 | - |
|  |  |  | Activity at work *kappa* = 0.82 | + |
|  |  |  | Recreational activity *rho* = 0.64 | - |
|  |  |  | Recreational activity *kappa* = 0.55 | - |
|  |  |  | VPA *rho* = 0.41 | - |
|  |  |  | VPA *kappa* = 0.67 | - |
|  |  |  | Physical activity index *rho* = 0.72 | - |
|  |  |  | Physical activity index *kappa* =0.70 | + |
| Workers’ sitting- and walking-time questionnaire Percentage Method (WSWQ - p-method)67 | 64; 40% women; men age: 46.3 ± 8.0 years; women age: 35.8 ± 7.5 years | 1 week | Workday: |  | + |
|  |  |  | During working time: |  |
|  |  |  | Sitting *ICC* = 0.83 (95% CI: 0.73 to 0.89) | + |
|  |  |  | Walking/Standing *ICC* = 0.85 (95% CI: 0.76 to 0.90) | + |
|  |  |  | During non-working time |  |
|  |  |  | Sitting *ICC* = 0.71 (95% CI: 0.56 to 0.81) | + |
|  |  |  | Walking/Standing *ICC* = 0.77 (95% CI: 0.65 to 0.85) | + |
|  |  |  | Non-workday: |  |
|  |  |  | Sitting *ICC* = 0.78 (95% CI: 0.66 to 0.86) | + |
|  |  |  | Walking/Standing *ICC* = 0.79 (95% CI: 0.68–0.87) | + |
| New Questionnaire on Physical Activity (NQPA)81 | 112; 44.64% women; N.R. | 5 months / men | Rest *r* = 0.67 (95% CI: 0.50 to 0.79) | - | - |
|  |  |  | Occupational *r* = 0.90 (95% CI: 0.84 to 0.94) | + |
|  |  |  | Leisure Time *r* = 0.85 (95% CI: 0.76 to 0.91) | + |
|  |  | 5 months / women | Rest *r* = 0.65 (95% CI: 0.46 to 0.79) | - |
|  |  |  | Occupational *r* = 0.79 (95% CI: 0.65 to 0.87) | - |
|  |  |  | Leisure Time *r* = 0.68 (95% CI: 0.50 to 0.81) | - |
|  | 109; 47,70% women; N.R. | 11 months / men | Rest *r* = 0.71 (95% CI: 0.56 to 0.82) | - |
|  |  |  | Occupational *r* = 0.89 (95% CI: 0.83 to 0.94) | + |
|  |  |  | Leisure Time *r* = 0.72 (95% CI: 0.56 to 0.82) | - |
|  |  | 11 months / women | Rest *r* = 0.66 (95% CI: 0.47 to 0.79) | - |
|  |  |  | Occupational *r* = 0.80 (95% CI: 0.68 to 0.88) | + |
|  |  |  | Leisure Time *r* = 0.69 (95% CI: 0.52 to 0.81) | - |
|  |  |  | Measurement error: Bland-Altman: “The limits of 2 standard deviations below and above the mean difference were −3368 and 3243 kJ." | ? | ? |
| Web-Based Physical Activity Questionnaire (Active-Q)82 | 148 men; 33-86 years | 12 days | SB *ICC* = 0.80 (95% CI: 0.74 to 0.86) | + | - |
|  |  |  | LPA *ICC* = 0.66 (95% CI: 0.57 to 0.75) | + |
|  |  |  | SB+LPA *ICC* = 0.67 (95% CI: 0.58 to 0.76) | - |
|  |  |  | MPA *ICC* = 0.69 (95% CI: 0.60 to 0.77) | - |
|  |  |  | VPA *ICC* = 0.51 (95% CI: 0.39 to 0.63) | - |
|  |  |  | MVPA *ICC* = 0.67 (95% CI: 0.58 to 0.76) | - |
| Flemish Physical Activity Computerized Questionnaire (FPACQ) 83 | 66 employed/unemployed: 31 men: 39.23 ± 11.65 years; 35 women: 41.46 ± 12.62 years | 2 weeks | Employed/Unemployed Men |  | + |
|  | 36 retired: 20 men: 63.65 ± 6.05 years; 16 women: 63.31 ± 3.94 years |  | Time/week spent on sports participation *ICC* = 0.87 (95% CI: 0.75 to 0.94) | + |
|  |  |  | Energy expenditure/week on sports participation *ICC* = 0.94 (95% CI: 0.88 to 0.97) | + |
|  |  |  | Average energy expenditure on sports participation *ICC* = 0.97 (95% CI: 0.94 to 0.98) | + |
|  |  |  | Time/week spent eating *ICC* = 0.74 (95% CI: 0.53 to 0.86) | + |
|  |  |  | Time/week spent sleeping *ICC* = 0.84 (95% CI: 0.70 to 0.92) | + |
|  |  |  | Time/week spent watching television or videos or playing computer games *ICC* = 0.93 (95% CI: 0.86 to 0.97) | + |
|  |  |  | Time/week spent on leisure-time active transportation *ICC* = 0.75 (95% CI: 0.55 to 0.87) | + |
|  |  |  | Time/week spent on active leisure-time activities *ICC* = 0.79 (95% CI: 0.62 to 0.90) | + |
|  |  |  | Energy expenditure/week on active leisure time-activities *ICC* = 0.84 (95% CI: 0.70 to 0.92) | + |
|  |  |  | Average energy expenditure on active leisure-time activities *ICC* = 0.90 (95% CI: 0.81 to 0.95) | + |
|  |  |  | Time/week spent on occupation and transportation to and from occupation *ICC* = 0.97 (95% CI: 0.94 to 0.99) | + |
|  |  |  | Energy expenditure/week on occupation and transportation  to and from occupation *ICC* = 0.94 (95% CI: 0.88 to 0.97) | + |
|  |  |  | Average energy expenditure on occupation and transportation to and from occupation *ICC* = 0.95 (95% CI: 0.91 to 0.98) | + |
|  |  |  | Overall energy expenditure during a usual week *ICC* = 0.95 (95% CI: 0.89 to 0.97) | + |
|  |  |  | Physical activity level (MET) *ICC* = 0.92 (95% CI: 0.84 to 0.96) | + |
|  |  |  | Employed/Unemployed Women |  |
|  |  |  | Time/week spent on sports participation *ICC* = 0.91 (95% CI: 0.82 to 0.95) | + |
|  |  |  | Energy expenditure/week on sports participation *ICC* = 0.91 (95% CI: 0.83 to 0.95) | + |
|  |  |  | Average energy expenditure on sports participation *ICC* = 0.74 (95% CI: 0.55 to 0.86) | + |
|  |  |  | Time/week spent eating *ICC* = 0.67 (95% CI: 0.43 to 0.82) | - |
|  |  |  | Time/week spent sleeping *ICC* = 0.83 (95% CI: 0.70 to 0.91) | + |
|  |  |  | Time/week spent watching television or videos or playing computer games *ICC* = 0.92 (95% CI:.84 to 0.96) | + |
|  |  |  | Time/week spent on leisure-time active transportation *ICC* = 0.71 (95% CI: 0.50 to 0.84) | + |
|  |  |  | Time/week spent on active leisure-time activities *ICC* = 0.85 (95% CI: 0.73 to 0.92) | + |
|  |  |  | Energy expenditure/week on active leisure time-activities *ICC* = 0.86 (95% CI: 0.75 to 0.93) | + |
|  |  |  | Average energy expenditure on active leisure-time activities *ICC* = 0.94 (95% CI: 0.88 to 0.97) | + |
|  |  |  | Time/week spent on occupation and transportation to and from occupation *ICC* = 0.99 (95% CI: 0.98 to 0.99) | + |
|  |  |  | Energy expenditure/week on occupation and transportation  to and from occupation *ICC* = 0.97 (95% CI: 0.94 to 0.98) | + |
|  |  |  | Average energy expenditure on occupation and transportation to and from occupation *ICC* = 0.98 (95% CI: 0.96 to 0.99) | + |
|  |  |  | Overall energy expenditure during a usual week *ICC* = 0.92 (95% CI: 0.85 to 0.96) | + |
|  |  |  | Physical activity level (MET) *ICC* = 0.78 (95% CI: 0.61 to 0.88) | + |
|  |  |  | Retired Men |  |
|  |  |  | Time/week spent on sports participation *ICC* = 0.68 (95% CI: 0.37 to 0.86) | - |
|  |  |  | Energy expenditure/week on sports participation *ICC* = 0.68 (95% CI: 0.36 to 0.86) | - |
|  |  |  | Average energy expenditure on sports participation *ICC* = 0.60 (95% CI: 0.23 to 0.82) | - |
|  |  |  | Time/week spent eating *ICC* = 0.24 (95% CI: -0.20 to 0.61) | - |
|  |  |  | Time/week spent sleeping *ICC* = 0.94 (95% CI: 0.86 to 0.98) | + |
|  |  |  | Time/week spent watching television or videos or playing computer games *ICC* = 0.76 (95% CI: 0.49 to 0.89) | + |
|  |  |  | Time/week spent on leisure-time active transportation *ICC* = 0.81 (95% CI: 0.58 to 0.92) | + |
|  |  |  | Time/week spent on active leisure-time activities *ICC* = 0.83 (95% CI: 0.62 to 0.93) | + |
|  |  |  | Energy expenditure/week on active leisure time-activities *ICC* = 0.83 (95% CI: 0.63 to 0.93) | + |
|  |  |  | Average energy expenditure on active leisure-time activities *ICC* = 0.71 (95% CI: 0.41 to 0.87) | + |
|  |  |  | Overall energy expenditure during a usual week *ICC* = 0.90 (95% CI: 0.76 to 0.96) | + |
|  |  |  | Physical activity level (MET) *ICC* = 0.89 (95% CI: 0.76 to 0.96) | + |
|  |  |  | Retired Women |  |
|  |  |  | Time/week spent on sports participation *ICC* = 0.92 (95% CI: 0.79 to 0.97) | + |
|  |  |  | Energy expenditure/week on sports participation *ICC* = 0.91 (95% CI: 0.78 to 0.97) | + |
|  |  |  | Average energy expenditure on sports participation *ICC* = 0.94 (95% CI: 0.84 to 0.98) | + |
|  |  |  | Time/week spent eating *ICC* = 0.14 (95% CI: -0.35 to 0.58) | - |
|  |  |  | Time/week spent sleeping *ICC* = 0.90 (95% CI: 0.75 to 0.97) | + |
|  |  |  | Time/week spent watching television or videos or playing computer games *ICC* = 0.89 (95% CI: 0.72 to 0.96) | + |
|  |  |  | Time/week spent on leisure-time active transportation *ICC* = 0.57 (95% CI: 0.14 to 0.83) | - |
|  |  |  | Time/week spent on active leisure-time activities *ICC* = 0.64 (95% CI: 0.24 to 0.85) | - |
|  |  |  | Energy expenditure/week on active leisure time-activities *ICC* = 0.71 (95% CI: 0.35 to 0.89) | + |
|  |  |  | Average energy expenditure on active leisure-time activities *ICC* = 0.77 (95% CI: 0.48 to 0.91) | + |
|  |  |  | Overall energy expenditure during a usual week *ICC* = 0.96 (95% CI: 0.90 to 0.99) | + |
|  |  |  | Physical activity level (MET) *ICC* = 0.77 (95% CI: 0.47 to 0.91) | + |

Table 1. abbreviations: n= Sample Number; SD= Standard Deviation; N.R.= Not Reported; VPA= Vigorous Physical Activity; MPA= Moderate Physical Activity; MVPA= Moderate-Vigorous Physical Activity; MET= Metabolic Equivalent Task; ICC= Intraclass Correlations; LoA= Limits of Agreement; SEM= Standard Error of Measurement; \* p≤0.05; \*\* p≤0.001; \*\*\*p≤0.0001; ? =Doubtful; + = Adequate; - = Inadequate

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