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<td><strong>1. Unidimensional Instruments: frequency</strong></td>
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<tr>
<td>1.1 The Keel Assessment of Participation (112)</td>
<td>KAP</td>
<td>11 items. Frequency: e.g. of an item: During the past 4 weeks, I have moved around in my home, as and when I have wanted. 5-point scale: all of the time, most of the time, some of the time, little of the time, none of the time.</td>
<td>d4, d6, d7, d8, d9</td>
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<td>1.2 Participation, patient-reported outcome (113)</td>
<td>PAR-PRO</td>
<td>20 items. Frequency: e.g. of an item: Work/employment. 5-point scale: Did not participate in this life situation, participated monthly (once every 3–4 weeks), participated bi-weekly (once every 2 weeks), participate weekly (1–4 days per week), participated daily/ almost every day (5 or more days per week)</td>
<td>d4, d6, d7, d8, d9</td>
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<td><strong>2 Unidimensional Instruments: limitations</strong></td>
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<td>2.1 Participation Scale (85)</td>
<td>P-Scale</td>
<td>18 items. Limitations: e.g. of an item: helping other people. 5-point scale: no restriction, some restriction but no problem, small problem, medium problem, large problem.</td>
<td>d1, d3, d4, d5, d6, d7, d8, d9</td>
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<td>2.2 ICF measure of Participation and Activities Questionnaire – screener part (26)</td>
<td>IMPACT-S</td>
<td>33 items. Participation Restrictions: e.g. of an item: basic economic transactions. 3-point scale: no restrictions, minor restrictions, major restrictions Remark: next to participation also activities are operationalized in this instrument Activity Limitations: e.g. of an item: communicating, receiving. 3-point scale: no limitations, minor limitations, major limitations</td>
<td>d6, d7, d8, d9</td>
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<td>2.3 Oxford Participation and Activities Questionnaire (114)</td>
<td>Ox-PAQ</td>
<td>23 items. Difficulties: e.g. of an item: how often during the past four weeks you had difficulties with getting up in the morning? 5-point scale: never, rarely, sometimes, often, always</td>
<td>Theoretically based on ICF, but not on the 9 domains (the following domains are given: routine activities, emotional well-being and social engagement).</td>
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<td>2.3 Child and Adolescent Scale of Participation (45, 122)</td>
<td>CASP</td>
<td>20 items. Limitations: e.g. of an item: Compared to other children your child’s age, what is your child's current level of participation in household activities? 4-point scale: as expected for age, somewhat limited, very limited, unable (at home, in school and in neighborhood/community in comparison with peers)</td>
<td>Theoretically based on ICF, but not on the 9 domains.</td>
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<td><strong>3 Multidimensional instruments: multiple subjective dimensions</strong></td>
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<td>3.1 Impact on Participation and Autonomy Questionnaire (35, 115, 139)</td>
<td>IPA</td>
<td>41 items – 2 dimensions. Autonomy: e.g. of an item: My chances of contributing to looking after my home the way I want to are: 5-point scale: very good, good, fair, poor, very poor. Limitations: e.g. of an item: If your health or your disability affect your activities in and around your home, to what extent does this cause you problems? 3-point scale: no problems, minor problems, major problems</td>
<td>Theoretically based on ICIDH-2 (17). (The following domains are given: autonomy indoors, family role, autonomy outdoors, social life and relationships, work and education)</td>
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<td>3.2 Participation Enfranchisement (116)</td>
<td>PE</td>
<td>19 items – 3 dimensions. Choice and control: e.g. of an item: I have choices about the activities I want to do. 4-point scale: true, mostly true, mostly false, false. Contribution to the community: e.g. of an item: I do things that improve my community. 4-point scale: true, mostly true, mostly false, false. Valued by others: e.g. of an item: I feel valued as a member of the society. 4-point scale: true, mostly true, mostly false, false.</td>
<td>Theoretically based on ICF, but not clear on which domains (the following domains are given: productivity, social participation, being out and about in the community).</td>
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<td>3.3 Rating of Perceived Participation (117)</td>
<td>ROPP</td>
<td>16 items – 3 dimensions. Restrictions in performing activities, e.g. of an item: involvement in cultural, political and spiritual activities. 5-point scale: not restricted, mildly restricted, moderately restricted, very restricted, severely restricted. Satisfaction with my level of participation (same item). 2-point scale: yes, no. Change: I want support to change my level of participation (same item). 2-point scale: yes, no.</td>
<td>Originally based on the ICIDH-2, including 7 domains; d3, d4, d5, d6, d8 and d9 but blended in other subdomains.</td>
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<td>3.4 Time Organization and Participation Scale (110)</td>
<td>TOPS</td>
<td>32 items – 3 dimensions. Task performance in an appropriate pace, e.g. of an item: fulfilling varied roles. 5-point scale: never, rarely, sometimes, usually, always. Performance in time organization of activities (same item). 5-point scale: ranging from 1 very bad to 5 excellent Emotional responses as a result of lack of success at the expected pace (same item). 7 answer options: lack of motivation to perform, sadness, frustration, anger, crying, outburst towards family members, and outburst towards friends. 2 open items: difficulty in organizing daily activities and distraction to perform activities.</td>
<td>Theoretically based on ICF, but not on the 9 domains</td>
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<td>4 Multidimensional instruments: combining objective and subjective dimensions</td>
<td>PM-PAC</td>
<td>52 items – 3 objective dimensions 2 subjective dimensions. Duration, e.g. of an item: During the past week, how much of the time: have you accomplished less than you would like? 5-point scale: all of the time, most of the time, some of the time, a little of the time, none of the time. Frequency, e.g. of an item: How many times in the past week have you done things socially with other people? Different according to the item: 5-point scales: none, once, twice, more than three times Remark: depending on the item, another 5-point scale is used: Every day, 5-6 days, 3-4 days, 1-2 days, never. Number of family and friends and close contacts, e.g. of an item: How many close friends do you have? 5-point scale: none, one, two to four, five to eight, nine or more. Limitation, e.g. of an item: How much are you currently limited in getting around offices, stores or public buildings? 5-point scale: not at all, a little, some, quite a lot, completely Remark: depending on the item, another 5-point scale is used: Not at all limited, a little limited, somewhat limited, very much limited, extremely limited. Satisfaction, e.g. of an item: How satisfied are you with how much you can help family and friends? 5-point scale: very satisfied, somewhat satisfied, neither satisfied or dissatisfied, somewhat satisfied, very dissatisfied. In addition: the following descriptive questions are asked: the current category of employment, current enrolment in an educational program and the effect of the disability on social economic status.</td>
<td>Initially constructed on the ICIDH-2 but revised to correspond with the ICF, 8 domains: d1, d3, d4, d5, d6, d7, d8, d9</td>
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<td>4.2. Participation Objective, Participation Subjective (111)</td>
<td>POPS</td>
<td>26 items: 2 objective and 2 subjective dimensions. Frequency, e.g. of an item: In a typical week, do you do ‘answer option’ of the shopping for groceries in your household? 4-answer options: all, most, some, none Duration, e.g. of an item: How many hours in a typical day do you ‘the activity’ (e.g. of an item: work for pay)? No answer options, number of hours is asked for. Importance, e.g. of an item: how important is this ‘activity’ to your wellbeing 7-point scale: most, very, moderate, little, not, not applicable, don’t know. Desired activity level, e.g. of an item: would you like to be doing ‘this activity’ more or less than you are doing now? 5-point scale: more, less, same, not applicable, don’t know.</td>
<td>5 domains: d4, d6, d7, d8, d9</td>
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| 4.3 Participation Survey/Mobility (123) | PARTS/M | **20 items – 1 objective and 5 subjective dimensions:**  
  **Duration,** e.g. of an item: How much time do you require for working inside your home?  
  3-point scale: more than 20 minutes, 10 to 20 minutes, less than 10 minutes  
  Remark, depending on the item, another 3-point scale is used: more than 60 minutes, 30 to 60 minutes, less than 30 minutes.  
  **Or Frequency,** e.g. of an item: How frequently do you participate in outdoor maintenance activities?  
  Remark: only duration or frequency is asked, not both  
  4-point scale: 5 or more times a week, 3 to 4 times a week, 1 or two times a week, never.  
  Remark: depending on the item, a 5-point scale is used: 3 or more times a day, once or twice a week, once or twice a day, once or twice a month, never.  
  **Choice,** e.g. of an item: To leave you house, how much choice do you have compared to others:  
  4-point scale: a lot of choice, some choice, little choice, no choice.  
  **Satisfaction,** e.g. of an item: How satisfied are you with your participation in leisure activities?  
  4-point scale: very satisfied, satisfied, somewhat satisfied, dissatisfied.  
  **Help form others,** e.g. of an item: How much help from another person do you require for take a vacation?  
  4-point scale: a great deal, a moderate amount, just a little, none.  
  **The use of accommodations, adaptations or special equipment,** e.g. of an item: How often do you use accommodations, adaptations, or special equipment to socialize?  
  5-point scale: all of the time, most of the time, some of the time, a little of the time, never.  
  In addition; the reason of limitation is asked for each item.  
  5 option answer scale: Illness, A physical impairment, Pain, Fatigue, Not limited. | 6 domains: d4, d5, d6, d7, d8, d9 |
| 4.4 Children’s Assessment of Participation & Enjoyment (125) | CAPE | **55 items – 4 objective dimensions and 1 subjective dimension:**  
  **Diversity,** e.g. of an item: Have you done active physical recreation activities in the past four months?.  
  Answer option: yes, no  
  **Frequency,** if yes: How often?  
  7-point scale: 1 time in the past 4 months, 2 times in the past four months, 1 time a month, 2–3 times a month, 1 time a week, 2–3 times a week, 1 time a day or more.  
  **With whom do you do this most often?**  
  5 answer options: alone, with family, with other relatives, with friends, with others.  
  **Where do you do this most often?**  
  6 answer options: at home, at a relative's home, in your neighborhood, at school, in your community, beyond the community  
  **Enjoyment:** How much do you enjoy this activity?  
  6-point scale: not at all, somewhat, sort of, pretty much, very much, love it. | Theoretically based on ICF, but not on the 9 domains |
| 4.5 Participation and Environment Measure for Children and Youth (121) | PEM-CY | **25 items, 1 objective and 3 subjective dimensions**  
  **Remark:** the scale is divided in items depending on the context of the activity: home, school, community  
  **Frequency,** e.g. of an item: How often does your child participate in 1 or more computer video games:  
  8-point scale: daily, few times a week, once a week, few times a month, once a month, few times in last four months, once in the last four months, never.  
  **Involvement in activities,** e.g. of an item: How involved is your child when doing these activities?  
  5-point scale: ranging from minimally, over somewhat involved to very involved (in-between point not given).  
  **Expected change in number and type of activities,** e.g. of an item: Would you like your child’s participation to change in this type of activity? yes or no, along with 5 answer options to clarify the desire:  
  5 Answer options: No change desired, yes; Do more often, yes; Do less often, yes; To be more involved, yes; To be less involved, yes; Be involved in a broader variety of activities  
  **The amount of environmental support:**  
  e.g. of an item: Do things help or make it harder for the child to participate; 4 answer options: Not an issue, usually helps, sometimes helps/sometimes makes hard, usually makes it harder.  
  Does the child need help; 4 answer options: not needed, usually yes, sometimes yes/sometimes no, usually no. | Theoretically based on ICF, but not on the 9 domains |
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| 4.6 Utrecht Scale for Evaluation of Rehabilitation-Participation (120) | USER-P | 32 items, 1 objective and 2 subjective dimensions:  
**Frequency A**, e.g. of an item: how many hours per week or how often do you usually spend on the following education)?  
6-point scale: none at all, 1–8 hours, 9–16 hours, 17–254 hours, 25–35 hours, 36 hours or more.  
**Frequency B**, e.g. of an item: How often have you undertaken sports or other physical exercise in the last 4 weeks?  
6-point scale: never, 1-2 times, 3-5 times, 6-10 times, 11-18 times, 19 times or more.  
**Limitations**, e.g. of an item: does your illness or condition currently limit you daily live (e.g. going out)?  
5-point scale: not applicable, not possible, with assistance, with difficulty, without difficulty.  
**Satisfaction**, e.g. of an item: How satisfied are you with your current daily life? (e.g. household activities):  
5-point scale: very satisfied, dissatisfied, neutral satisfied, very satisfied, not applicable. | 4 domains of the ICF: d4, d5, d6, d9 |
| 4.7 Participation Measure – 3 domains, 4 dimensions (117) | PM-3D4D | 19 items, 2 objective dimensions, 2 subjective dimensions:  
**Diversity**, e.g. of an item: did you go to movies, concerts, shows, sports events, lectures, or exhibits?  
2 answer options: yes, no  
**Frequency**, if yes how often? Different multi-point scales depending on the item:  
For productivity items: Less than once a month, 1–3 days a month, once a week, 2–4 days a week, 5 or more days a week.  
For social and community items: Never in the past 3 months, once or twice in past 3 months, once a month, 2–3 times a month, once a week, 2–4 times a week, every day or almost every day?  
**Desire for change**, Would you like to change your current participation in this activity?  
2 answer options: yes, no  
**Perceived difficulty**, what was the level of difficulty in participating in this type of activity?  
4-point scale: very difficult, moderately difficult, a little difficult, not difficult at all. | Theoretically based on the ICF but not on the domains. (based on Chan & Coster (140) in which the 9 domains of the ICF are blended into Productivity, Social, and Community domains) |
| 4.8 Ghent Participation Scale (71, 72) | GPS | 19 items, 2 objective dimensions, 3 subjective dimensions:  
Remark: the scale starts by asking 2 questions:  
**What are the 5 most important activities that you have performed during the last week and**  
**What are the 5 most important activities that you have delegated during the last week**  
The scale builds further on these 10 activities (5 self-performed and 5 delegated activities).  
**Duration**, How much time did you spent in these 5 self-performed activities?  
5-point scale: maximum 1 hour, more than 1 hour and less than half a day, half a day, a full day, more than 1 day.  
**The need to delegate activities**: How many of the 5 delegated activities you would rather have performed yourself?  
No answer options.  
**Self-performed activities in accordance with choices and wishes**, e.g. of an item: It was entirely my choice to engage in this activity.  
5-point scale: I totally disagree, I disagree, I doubt, I agree, I totally agree  
**Self-performed activities leading to appreciation and social acceptance**, e.g. of an item: I felt a strong appreciation during this activity.  
5-point scale: I totally disagree, I disagree, I doubt, I agree, I totally agree  
**Delegated activities**, e.g. of an item: I completely trust the person(s) who performed this activity for me.  
5-point scale: I totally disagree, I disagree, I doubt, I agree, I totally agree | All domains of the ICF d1,d2,d3,d4,d5,d6,d7,d8,d9 |

ICF domains: d1=learning and applying knowledge; d2=general tasks and demands; d3=communication; d4=mobility; d5= self-care; d6=domestic life; d7=interpersonal interactions and relationships; d8=major life areas; d9=community, social and civic life.