

## Appendix 1. Voting questions for consensus conference

## Question

1. What inputs or combinations of inputs should trigger a pain management from the app to the adolescent (e.g. Persistent pain for x hours/days? Pain spreading through body? Sudden onset pain? High interference scores? Specific interference elements like low mood, poor sleep? Pain management techniques not working?)
2. What are the ‘patient-driven’ pain treatment techniques adolescents should use to manage their pain?
3. Which patient-driven pain management techniques (including dosage and frequency) should be used to manage:
  - Treatment-related pain with intensity 1-3/10
  - Treatment-related pain with intensity 4-6/10
  - Treatment-related pain with intensity 7-10/10
4. Which patient-driven pain management techniques should be used to manage:
  - Disease-related pain with intensity 1-3/10
  - Disease-related pain with intensity 4-6/10
  - Disease-related pain with intensity 7-10/10
5. How should procedural pain be reduced by the adolescent in the case of a:
  - Port-access?
  - Lumbar puncture?
  - Bone marrow aspirate?
  - Venipuncture?
  - Finger-poke?