

Question 4 (Treatments and Interventions) Topics:

Intervention types:

- Behavioral/social interventions
- Medical/Pharmacological treatments
- Educational/Classroom interventions
- Occupational, physical, and sensory-based treatments
- Complementary, dietary, and alternative treatments
- Technology-based interventions and supports/use of robotics/AAC

Within these intervention types - approaches and target symptoms, target populations

- Parent- and caregiver-mediated interventions
- Treatments for co-occurring conditions
- Interventions for minimally verbal individuals with autism
- Community-based approaches
- Combination therapies
- Treatment for different age groups

Outcome measures, treatment response, and personalized medicine

- Identifying markers/metrics to measure treatment response
- Sex differences in treatment responses
- Non-response to treatment
- Stratification of patients/choice of treatments/ tracking treatment response using or based on neural circuitry
- Personalized medicine – ensuring that intervention is tailored to individual needs
- Research outcome measures, quality of life outcome measures, long term outcomes
- Inclusion of individuals on the autism spectrum in planning intervention research and determining outcome measures

Accelerating research and increasing uptake of and access to evidence-based interventions

- Strategies for increasing access to evidence-based interventions, including disparity issues; telehealth, parent and peer-mediated, community-based intervention models to make intervention more accessible and cost effective
- (Strategies for successful of evidence-based interventions in community based setting will be covered in Q5, but this working group may also contribute ideas)
- Improvement of coordination of interventions across service providers
- Dissemination of information about evidence-based interventions to parents and providers; uptake
- Ways to accelerate the pace of research