FLOWCHART OF STEPS FOR NOVEL ENDPOINT DEVELOPMENT

First, steps 1-6 should be completed sequentially in the order shown. Then, steps A-G must be completed, but the order of execution may vary.

Identify an aspect of health affected by the disease that the patient cares about

Identify the scope of assessment: the aspect of an individual’s clinical, biological, physical, or functional state, or experience that the assessment is intended to capture

Select the specific measurement to report that is a good representation of the aspect of the patient’s medical status

Select suitable mobile technology for data capture

Set or develop standards

Describe the study population for whom the endpoint will be targeted

Are you developing a novel endpoint that is generated using data captured using a mobile technology?

YES

NO

Determine measurement approaches

Evaluate the extent to which the measure reflects the intended scope of assessment

Ensure the absence of systematic measurement error

Demonstrate that the assessment is measuring what it claims to be measuring

Define meaningful change that can be interpreted as treatment benefit

Demonstrate that the measures is effective in detecting change

Develop a user manual that is appropriate for use with the intended study population

NOVEL ENDPOINT READY FOR USE

For more information, including suggested approaches and considerations for each step, see the Detailed Steps document that accompanies this flowchart. Note: Go to Table 1 for steps 1-6 and Table 2 for steps A-G.