

TABLE 2. Survey instruments used

Brief Health Literacy Questionnaire	3-item screening tool to assess for limited health literacy, using the lower 3 points on each Likert-scale item. <sup>52, 53</sup>
Transition Readiness Assessment Questionnaire (TRAQ 5)	validated 20-item patient-report instrument that assesses AYA self-management and health care utilization skills before and during HCT based on the Stages of Change mode <sup>42, 54, 55</sup>
Sickle Cell Knowledge Assessment	11 part tool was adapted from an asthma measure <sup>56</sup> with additional subscales to assess confidence in disease management and use of disease/pain management skills, including use of an appropriate pain management plan. Confidence Managing SCD and the Pain Management subscales are both 6-items each each with scores ranging between 6-30. The tool and subscales were created and reviewed by the clinical hematology and research teams and also previewed by AYAs with SCD who were not study participants; the subscales were judged to demonstrate face and content validity.
Sickle Cell Control Test	5-item measure adapted from validated Asthma Control Test <sup>57</sup>
Adolescent Medication Barriers Scale (AMBS)	validated brief tool for adolescents to self-report the most prominent issues that may be interfering with adherence. <sup>58</sup>
Healthcare Utilization assessment	5-item measure created by the research team to assess Healthcare Utilization in past 3 months including hospitalizations, emergency room use, and provider visits.
Healthcare Transition experience	9-item measure of participant's experience of interaction with their healthcare provider regarding transition, adapted from tools designed to assess the 6 Core Elements of Transition from GoTransition <sup>®43</sup> assessed pre- and post-intervention.
Satisfaction with TN Intervention	At intervention exit, an 8-item measure assessing the participant's satisfaction with the TN intervention and whether the participant planned to continue receiving adult care within the institution's network.

