APPENDICES

Appendix A. Phase 1 Semistructured Interview Guide for Pretrial Focus Groups With Stakeholders

Topic 1: Perceived importance of monitoring of adherence to oral chemotherapy
1) What are the potential problems and benefits of monitoring oral chemotherapy practices?
2) What do you believe are the patient, clinician, and healthcare system factors that impact adherence to oral chemotherapy?
3) To what extent does the proposed study and intervention address those factors?

Topic 2: Barriers to communication between patients and the oncology team regarding management of side effects and medication adherence
1) What are the most important aspects of communication between patients and clinicians to ensure effective adherence to oral chemotherapy?
2) How might communication breakdown overtime between patients and the oncology team?
3) To what extent does the proposed study intervention address these communication barriers?

Topic 3: Potential role of the mobile application to address barriers to quality cancer care
1) What are your impressions of the three components of the mobile application to improve symptom monitoring and adherence to oral chemotherapy:
   a. Creation of chemotherapy treatment plan
   b. Weekly self-report surveys (via the app) of symptoms and medication adherence
   c. Immediate results feedback to patients and oncology team
2) Would you make any changes to any of these three components? In what ways could the app be improved to meet the needs of patients and clinicians?
3) What additional resources would be helpful for managing symptoms and medications at home?

Topic 4: Feasibility, acceptability and utility of electronic intervention
1) When would be the ideal time to start the mobile app intervention during cancer care?
2) What types of problems, if any, do you foresee with the process of creating a chemotherapy treatment plan?
3) To what extent does the results feedback seem personal, relevant, and helpful?
4) Under what circumstances do you think patients or clinicians would not want to use the app?
5) In what ways could we change or improve the app to help make it more user-friendly and acceptable to patients and clinicians?

Topic 5: System barriers and facilitators to implementation
1) Given the components of the proposed mobile app, do you foresee any problems or barriers to implementing the intervention as we proposed?
2) Do you have any suggestions for changing the protocol to improve the study process and flow?
3) What recommendations do you have to ensure patient recruitment and retention?

Any final thoughts, comments or recommendations about the study that we have not yet discussed? This brings us to the end of the interview. We greatly appreciate your participation. Thank you.