MINDSEYE USABILITY TESTING

PRETEST QUESTIONNAIRE

1. What is your primary area of practice

_____Psychiatry

_____Internal Medicine

_____Family Practice

_____Pediatrics

_____Other, please specify

2. What is your Professional expertise?

_____PGY-1

_____PGY-2

_____PGY-3

_____PGY-4

_____Attending ≤ 5 yrs

_____Attending 5-9 yrs

_____Attending ≥ 10 yrs

_____Other, please specify

3. How often do you work with patient's electronic health records?

_____Almost daily

_____Weekly

_____Monthly

_____Quarterly

_____Less often/NA

4. How do you evaluate your interactions with electronic health records (EHR)?

_____Completely satisfied

_____Moderately satisfied

_____Neutral

_____Moderately unsatisfied

_____Completely unsatisfied

_____Do not use if can avoid it

5. What is the rating scale you use to quantify your patient's progress from visit to visit? Please check all that apply:

_____None

_____Montgomery-Ashberg Depression Rating Scale

_____Hamilton Rating Scale

_____Carroll Rating Scale

_____Clinical Global Impression Ratings

_____Beck Depression Inventory

_____Other, please specify

MINDSEYE USABILITY TESTING QUESTIONNAIRE

Task 1

Please enter the patient's MRN ID number: 15, and then identify the patient by answering the following questions:

1. Age (check the category that applies)

_____Under 12 years old

_____12-17 years old

_____18-24 years old

_____25-34 years old

_____35-44 years old

_____45-54 years old

_____55-64 years old

_____65-74 years old

_____75 years old or older

2. Gender

_____Male (M)

_____Female (F)

3. Race (check the category that applies)

_____White (W)

_____Hispanic or Latino (H)

_____Black or African American (B)

_____Native American or American Indian (N)

_____Asian/Pacific Islander (A)

_____Unknown (U)

Task 2

4. What is the patient's current co-morbid diagnosis? Please check all that apply:

_____Anxiety disorder

_____Borderline personality disorder

_____Bipolar disorder

_____Eating disorders

_____Major depressive disorder

_____Obsessive compulsive disorder

_____Panic disorders

_____Schizophrenia

_____Substance/Medication-induced depressive disorder

_____None

Task 3

5. Please look closely at the Graph View of CGI curves. What is the CGI score for the visit on January 12, 2011? (You may drag left/right, scroll back/forth and hover mouse over each data point on the Graph View)

_____1

_____2

_____3

_____4

_____5

_____6

_____7

6. Please look closely at the Graph View of CGI curves. Based on the CGI score for the visit on May 4, 2011, is this patient doing better or worse than his/her last visit? Please note that the higher the CGI score is, the worse the patient is. (You may drag left/right, scroll back/forth and hover mouse over each data point on the Graph View)

_____Improved   _____Remains the same   _____Doing worse

Physicians would usually record a patient "visiting note" related with each unique visit. Please answering the following questions. (You may drag left/right, scroll back/forth and hover mouse over each data point on the Graph View)

7. Where would you find this patient's visiting note on January 12, 2011? (check the category that applies)

_____Patient demographic information area

_____Patient co-morbid diagnosis information area

_____Data point on the Graph View

_____Date on the x-axis of the Graph View

_____Bar section on the Time Line View

_____Date on the x-axis of the Time Line View

_____Cannot find that specific note on this page

8. How to you evaluate the easiness to find the patient's note.

_____Easy and Reasonable   _____Neutral   _____Hard and Unfriendly

Task 4

9. What is the patient's CURRENT/LATEST treatment? Please check all that apply:

_____Psychotherapy

_____AAP

_____BUP

_____D2

_____LI

_____LTG

_____MRT

_____OLZ

_____RIS

_____SNRI

_____SSRI

_____TCA

10. Please select a treatment that the patient responded MOST well to:

    _____BUPROPION-XL, CITALOPRAM, Psychotherapy

    _____LITHIUM CARBONATE, OLANZAPINE

    _____BUPROPION-XL, FLUOXETIME HCL

Task 5

11. Please move to the top of the current dashboard. Click the first link to view all visiting history of this patient in tabular form. What is the CGI score for the visit on June 24, 2011?

    _____1

    _____2

    _____3

    _____4

    _____5

    _____6

    _____7

Task 6

12. Please find the row of records on May 11, 2011. Click on the date and identify all groups of drugs that were prescribed till that date:

    _____Psychotherapy

    _____AAP

    _____BUP

    _____D2

    _____LI

    _____LTG

    _____MRT

    _____OLZ

    _____RIS

    _____SNRI

    _____SSRI

    _____TCA

Task 7

13. Please click on the Dashboard on the left navigation bar and return to the dashboard page. Click the link to view all medication history of this patient. Please count total numbers of drugs and medications prescribed for this patient.

_____

MINDSEYE USABILITY TESTING

POST-TEST QUESTIONNAIRE

1. The demographic information of the patient is easy to locate:

_____Strongly agree

_____Agree

_____No opinion

_____Disagree

_____Strongly disagree

2. The patient's current diagnosis information is easy to locate:

_____Strongly agree

_____Agree

_____No opinion

_____Disagree

_____Strongly disagree

3. In "Graph View", the learning curve of the CGI chart is minimum:

_____Strongly agree

_____Agree

_____No opinion

_____Disagree

_____Strongly disagree

4. In "Timeline View", the learning curve to view all prescriptions and therapies is minimum:

_____Strongly agree

_____Agree

_____No opinion

_____Disagree

_____Strongly disagree

5. I am comfortable that this interface uses medication groups instead of individual medication for patient treatment or therapy.

    _____Strongly agree

    _____Agree

    _____No opinion

    _____Disagree

    _____Strongly disagree

6. Which data view is the most helpful in terms of helping you make clinical decision for the patient treatment. Please check all that apply:

    _____Graph View

    _____Timeline View

    _____All Visiting Records of a patient View

    _____All Medication Records of a patient View

    _____All Medication Records of a visit View

7. The color and UI design of this interface is intuitive and easy for navigation:

    _____Strongly agree

    _____Agree

    _____No opinion

    _____Disagree

    _____Strongly disagree

8. The texts, characters and highlighting on the screen is user-friendly:

    _____Strongly agree

    _____Agree

    _____No opinion

    _____Disagree

    _____Strongly disagree

9. The layout of information on the system screens was clear and matches the clinician's workflow:

_____Strongly agree

_____Agree

_____No opinion

_____Disagree

_____Strongly disagree

10. How long have you worked on this system?

_____≤10   minutes

_____10-20 minutes

_____20-30 minutes

_____≥30   minutes

11. The use of terminology throughout the system relates well to the work you are doing:

_____Strongly agree

_____Agree

_____No opinion

_____Disagree

_____Strongly disagree