SEER*DMS Change Control Advisory Board

January 30, 2020

The meeting will begin shortly...

Reminders:

- This meeting will be recorded
- Please be sure that you used your audio PIN when you dialed in (if not, hang up and re-dial)



Today's Topics

- Review the goals of the SEER*DMS usability project and the reasons for the 2020 changes
- Working with users to help them adjust to the new interface
- Detailed review of the phase 1 changes that were released this week
- Collecting feedback from registry users
- Next steps sneak peek of other changes being considered for 2020
- Q & A

SEER*DMS_{v20.20}

Small changes eventually add up to huge results.

2015-2016

Initial Review

- In 2015-2016, the SEER program initiated an external review of SEER*DMS to ensure that the system is optimally positioned for evolving needs
- 5 health informatics experts were contracted to perform the assessment
- 4 registries were part of the initial review
- 9 key categories of recommendations were delivered in a final report to NCI
 - Governance & Communication
 - Usability Evaluation
 - Enhanced Linkages
 - Consolidation
 - Case Upload Portal
 - Integrated Report Writer
 - NLP, Automation
 - Security
 - System Architecture

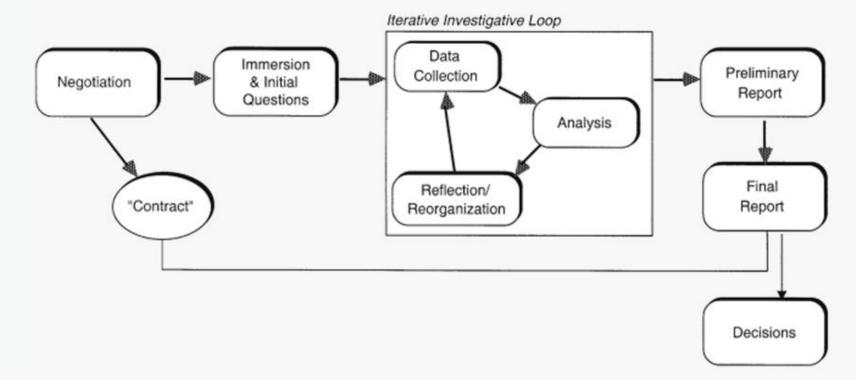


Figure 2.4. Specific anatomy of subjectivist studies.

Source: Friedman, C. and Wyatt, J. Evaluation

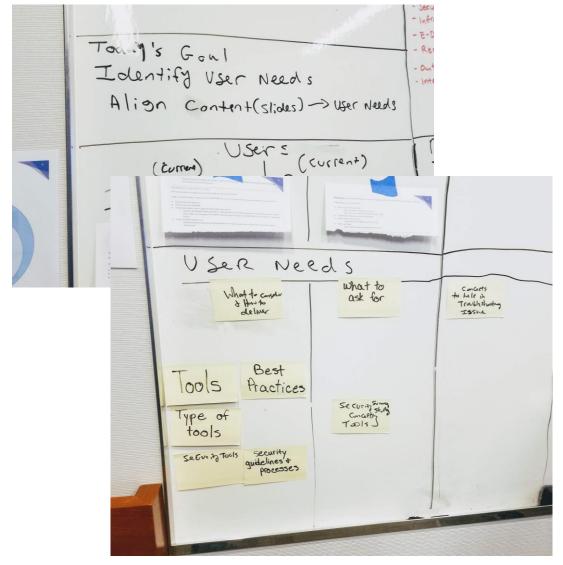
Methods in Biomedical Informatics

2016-2017

Usability Framework

- The complexity of both the system and the network of registry users required the development of usability framework.
- The framework was meant to ensure full user engagement during usability assessment and to minimize disruptions during the evaluation and subsequent system changes





Field Studies

- June and July, 2018. NN/g and Westat conducted field studies via site visits to two SEER*DMS registries, Georgia and Seattle.
- Findings from the 2018 site visits were presented in the SEER*DMS Face to Face Meeting (September, 2018)

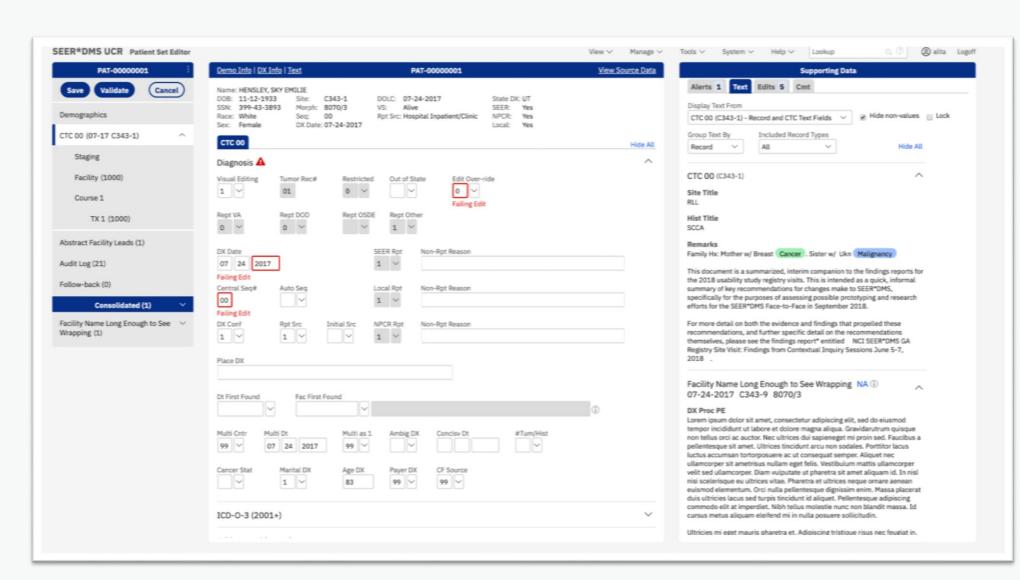






Implementation

- The usability project team (NCI, NN/g, Westat, IMS) identified a list of changes for Phase 1 of the project.
- IMS implemented the changes on a limited basis –
 the Patient Set Editor for one registry.
- NN/g conducted remote testing of the initial prototype with staff from the Utah Cancer Registry
- Changes were defined based on the UCR tests
- IMS implemented the new design system-wide
- IMS added a feature that allows users to toggle between the new and old interface





SEER*DMS Usability Project: Phase 1 changes are live!!

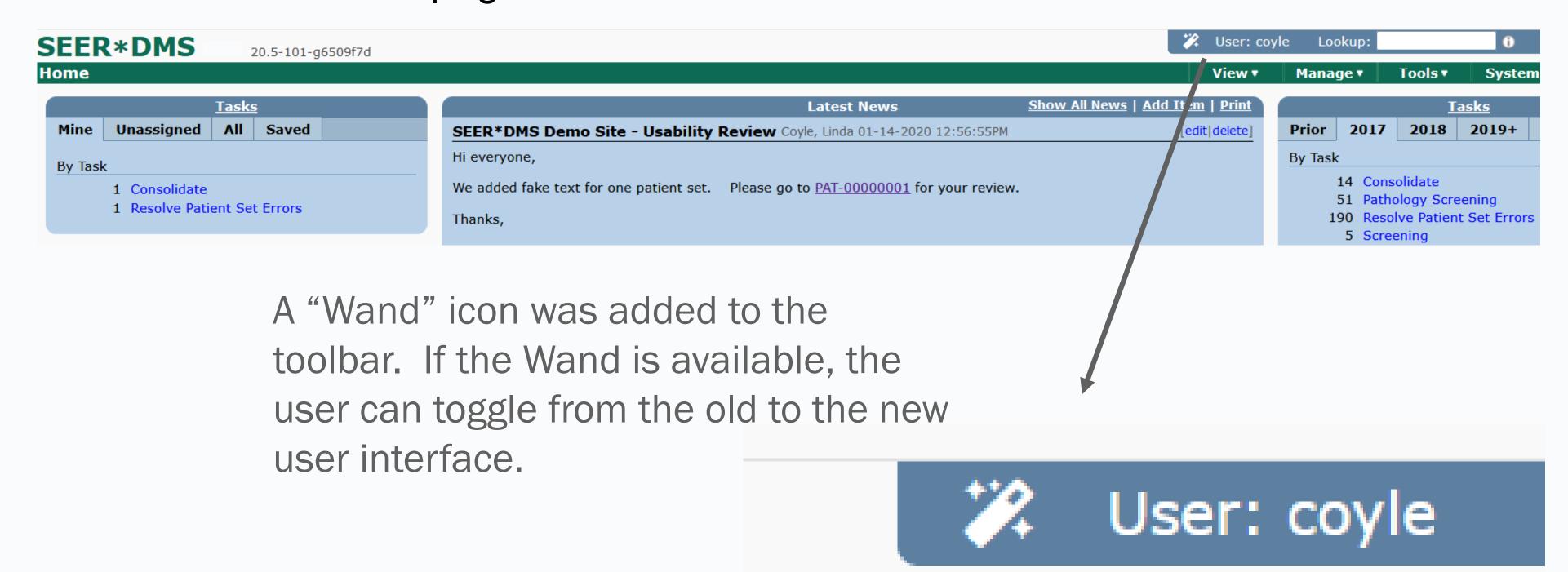
- Today is the first official day of the transition!
- All users can use the "magic wand" to go back and forth between the new and old UX.
- IMS will collect feedback from the registries (details to be discussed today).
- The new UX will become the system default on March 9th. Users will still be able to toggle back and forth.
- The old UX will be disabled in April.



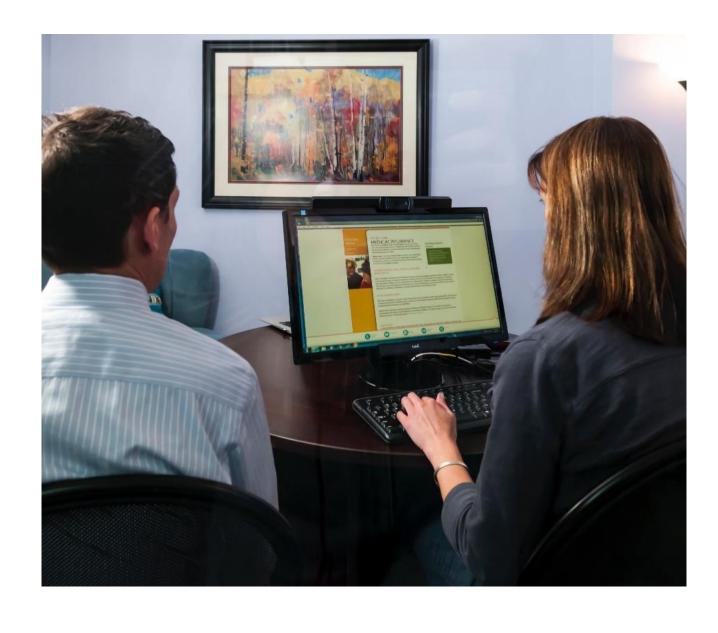
P.S. Apologies to path screeners and match makers. The changes were not deployed – please wait a week before using the system for Match and Path Screening tasks.

SEER*DMS Toggle Feature (the "Magic Wand")

This shows the home page of SEER*DMS Demo



Behavioral Evidence-Based Usability Improvements to SEER*DMS

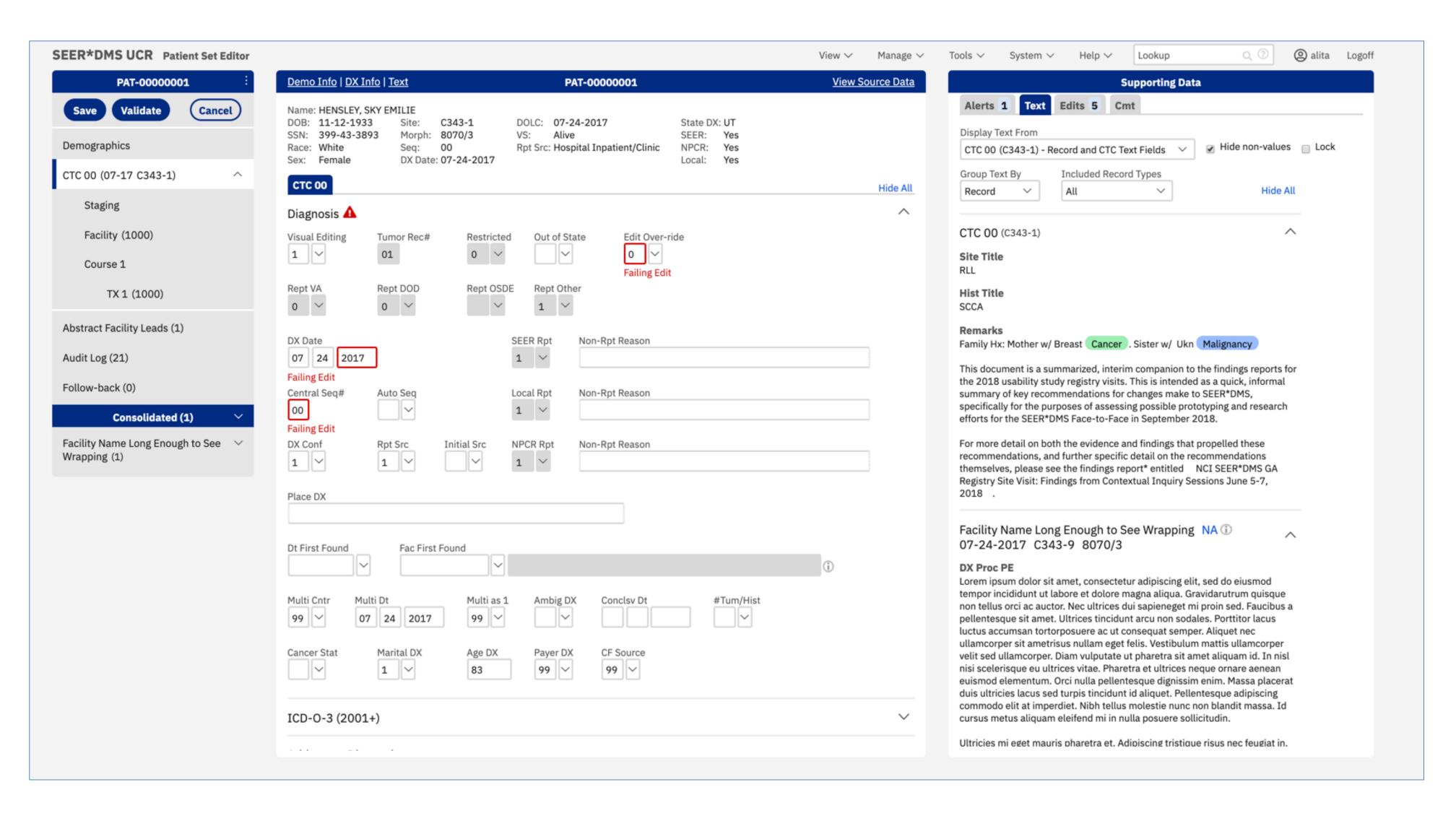




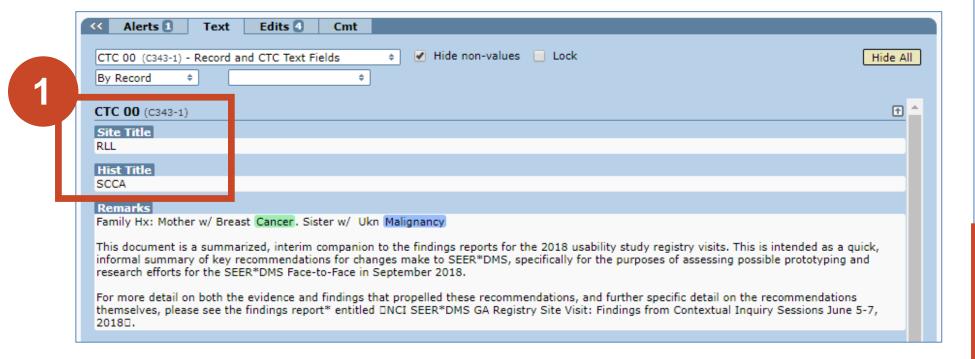


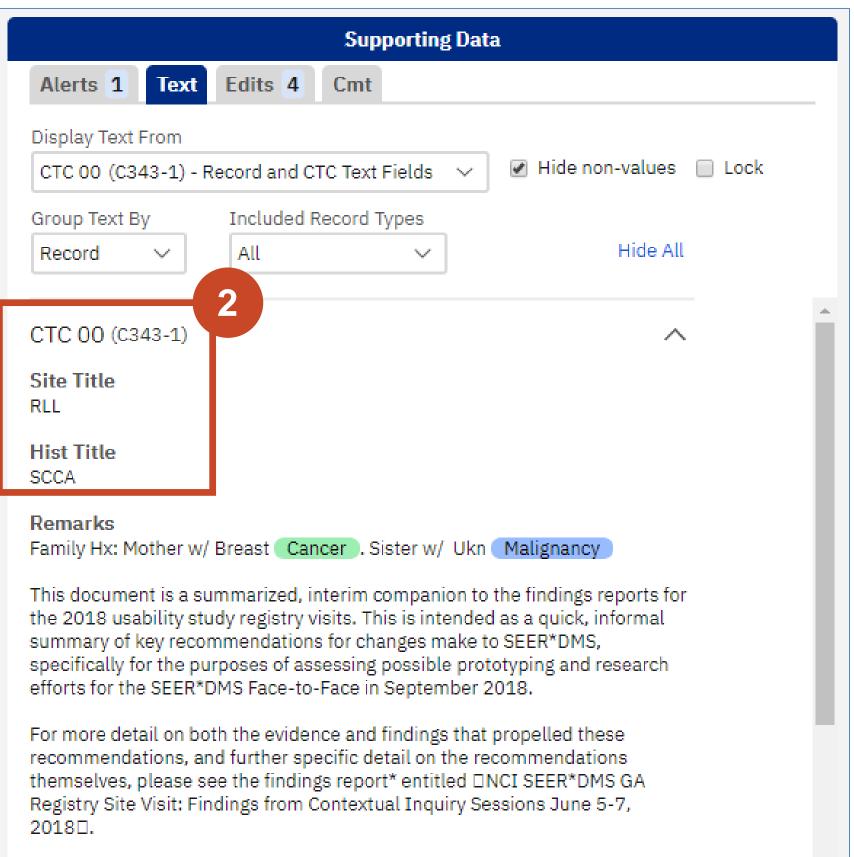




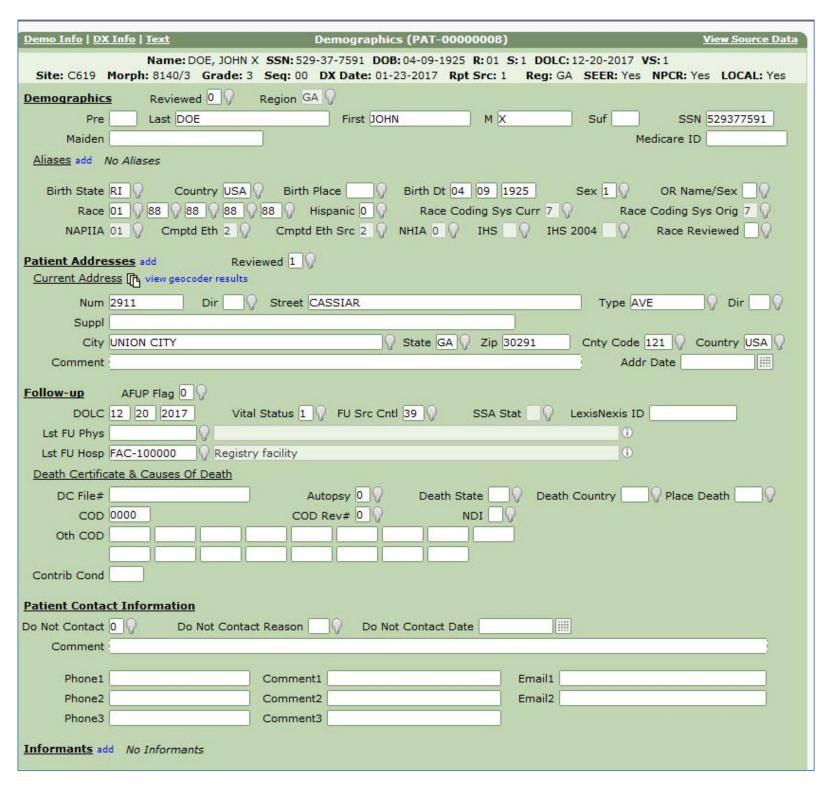


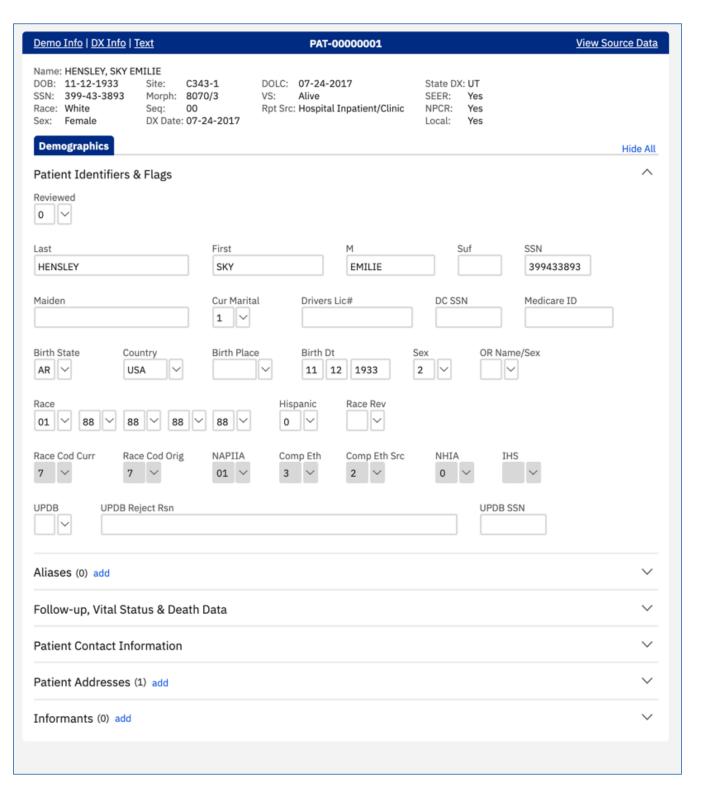
Readability



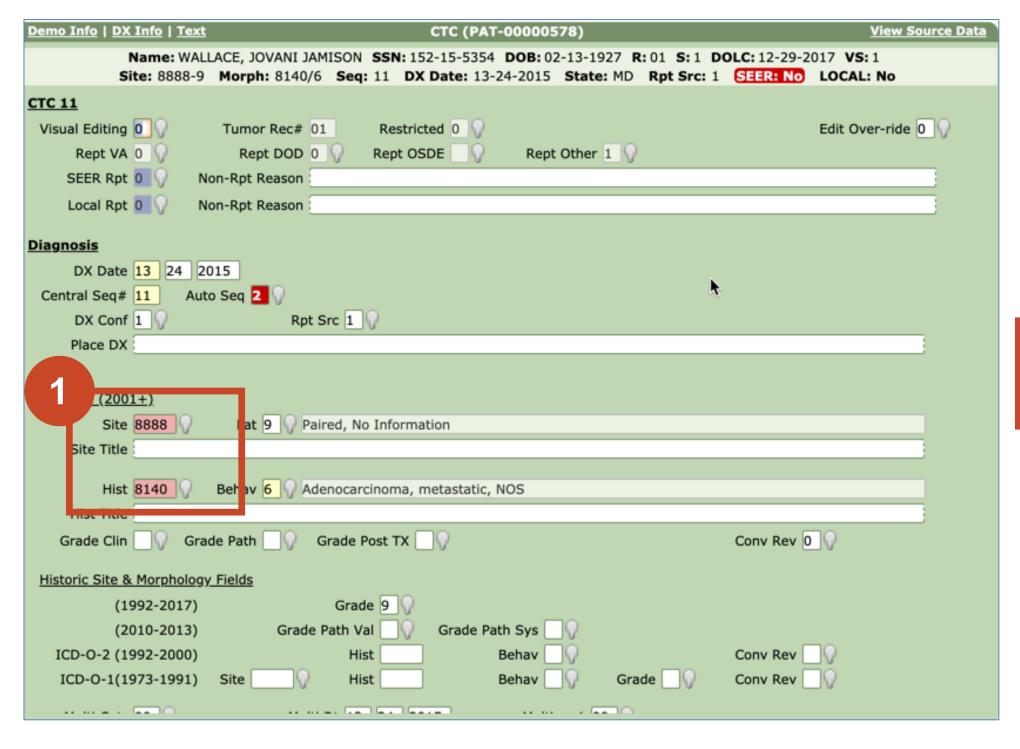


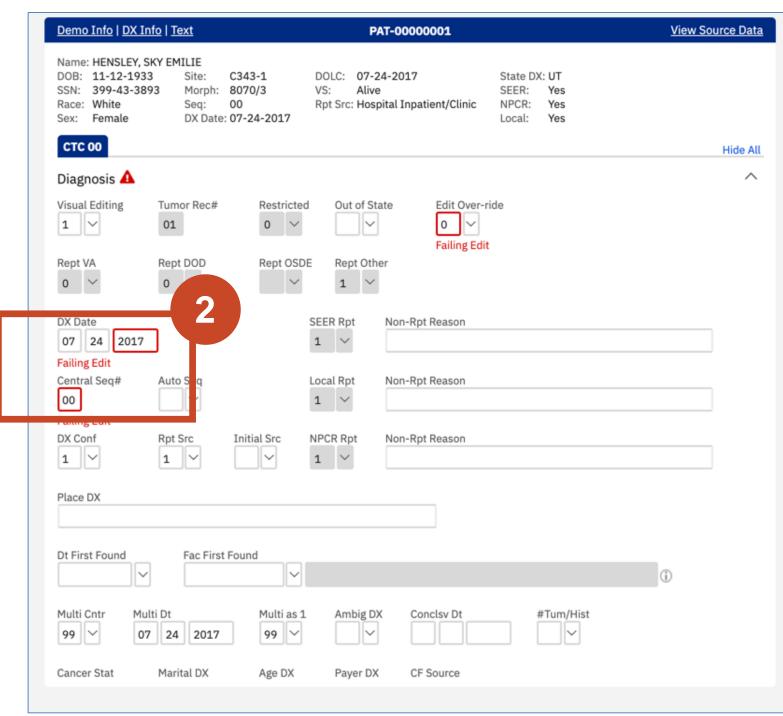
Scanning in SEER*DMS





Alerts and Data Review in SEER*DMS





Demo to Review Changes

Collecting Registry Feedback

Don't be shy....

- Use the magic wand!
 - Encourage all users to switch back and forth between the old and new UX.
 - Please use the next 2 months to adjust.
- We would like to receive initial feedback from you within 1 to 2 weeks (Feb 14).
 - Does not need to be comprehensive but should include any "show stoppers".
 - Each registry can send a Word document to Linda Coyle via the SEER*DMS File transfer. Screen shots are not required, but can be included. These files will not be shared with NCI, NN/g, or Westat.
- Each week please use the new UX more and more.
- IMS will disable the old UX on April 1.

Next Steps 2020

SEER*DMS - Possibilities for 2020

Changes being considered for phase 2:

- Default settings for section open/close ("chevron settings")
- Re-design of the left navigation in the Patient Set Editor
- Re-design of the DX Info popup
- New design for the Rx/Tx Tab
- Support various monitor sizes (a more responsive interface)
- Comfy vs condensed modes for editing

Questions?