Maintenance of a Registry Data Management System

Collaborative Results Stemming from the SEER*DMS Users Group and Change Control Board
SEER*DMS since 2005

- Registries currently using SEER*DMS: 9
  - Metropolitan Detroit, Connecticut, Hawaii, New Mexico, Alaskan Natives, Cherokee Nation, Iowa, Louisiana, Seattle
- Registries in deployment process: 2
  - Utah and Georgia
- Registries up next: 1
  - New Jersey
SEER*DMS since 2005

• 9 versions have been deployed
• Upcoming Deployments:
  • UCR on Version 10, GCCS on Version 11
• Recent changes include:
  • CSv2 0203 conversion
  • Addition of DQP reports
  • Overhaul of consolidation tools
  • Addition of Hemato DB, SEER*RX tools
Communication is Key

In any long term relationship, Communication is Key!

- Change Control Board
- SEER*DMS Portal
- Squish
- Users Group
Change Control Board - CCB

- Major changes to SEER*DMS are discussed by the CCB
- Members include staff from the NCI, the registries and IMS
- Issues come from:
  - NCI: a new requirement is coming
  - Registries: a need or problem has been identified
  - IMS: an opportunity has been identified
Change Control Board - CCB

- CCB steering meeting (NCI/IMS) is held quarterly
  - Prioritizes the larger issues
  - New concerns are added to the list
- CCB meets every other month
- Ad hoc issues are handled as they occur
SEER*DMS Portal

Information is shared between CCB members on the portal

- CCB meeting agendas and minutes
- Training tutorials
- Scripts and other utilities shared by registries
- Secure transfer site for data needed for technical support
Squish and SEER*DMS

CCB Issue are tracked in Squish

• Squish is a web-based tracking system used to track bugs, questions, manage quality assurance issues, and organize registry requests
• Issues may be registry specific or SEER*DMS wide
• Facilitates discussion
• Ease of viewing and sharing ideas
• Permanent record of the discussions
**Squish and SEER*DMS**

- Communication can start from either side
  - Registries submit issues to IMS
  - IMS provides proposals to Registries
- May handle completely within Squish
  - Small bugs: fix does not affect how staff works
  - Registry specific issues: fix only affects one registry
  - Small features that all groups agree on
Users Group

• Meets the months that CCB does not
• Led by registry staff
• Topics suggested by staff - areas of global concern
  • Security and encryption
  • E-path processing
  • Transitions – NAACCR 12, CSv2
Benefits of SEER*DMS Paradigm

- Centralized response
- Standardization of calculations
- Sharing of resources
- Cost sharing where possible
Centralized Response

- Quick release of new SEER Edits logic
- Central review of new Reportable code lists; notification of required changes
- NAACCR 12 updates less stressful for registry staff
- CSv2 transitions IT components handled by IMS, freeing registry to focus on new field requirements
Standardization of Calculations

- Sequencing – by date and survival value
- Treatment summarization
- SEER Cost Study – case counts by category and time frame
- Age at Diagnosis and Survival time
Sharing of Resources

• SEER*POC scripts written at IMS
• CSv2 testing on real data
• Census tract data sources can be tested for many areas
• NHIA, NAPIIA algorithms are tested and improved
• Edits and algorithms can be shared
Cost Sharing Where Possible

- Census data was purchased for country; data divided by state
- Hardware/IT Support
  - Increases pool of support knowledge and staff
  - Professionally designed and tested solution
- Reduced duplication of effort