



USING WEB BASED DATA ABSTRACTION IN THE PHYSICIANS' OFFICES TO IMPROVE CASE COMPLETENESS OF PROSTATE CANCER IN THE CENTRAL CANCER REGISTRY

Reda J. Wilson, MPH, RHIT, CTR
Program Consultant, ORISE Fellow
National Program of Cancer Registries



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Purpose and Objective

- To improve and/or enhance data collection activities in the physicians' office setting
- Enhance central cancer registries' ability to collect complete, timely, quality data
- Introduce Web Plus

Need for Project

- Consistent under-reporting
- Prostate leading cancer among men
- Lack of reporting mechanisms
- Current process

Problems with Current Reporting Mechanisms

- Delay 6-9 months to initiate follow-back
- Failure of physicians' office response
- Increased use of out-of-state pathology laboratories
- Proportion of cases reported by physicians

Response to Need

- Registry Plus
 - Abstract Plus
 - Web Plus

Web Plus

- Web application
- Accessible from public Internet
- SSL digital certificate

Improved Reporting Mechanism

- Efficient, timely, quality reporting mechanism
- Enhance reporting of all urological cancers
- Concept can be applied to other cancers

Process

- Eight central cancer registries (CCR) funded
- Web Plus provided
- CCR identified participating physicians
- Full implementation planned January 2006

Participation Criteria

- States with no or minimal non-hospital reporting,
- States with large rural geographic coverage, or
- States with case completeness between 90-94%

Participating States

- Arkansas
- Georgia
- Idaho
- Missouri
- South Carolina
- South Dakota
- Tennessee
- Wyoming

CCR Activities

- Determine reportable cases
- Identify appropriate staff
- Configure and install Web Plus
- Determine hardware/software requirements
- Determine log-in process
- Identify participating physicians

CCR Activities (cont'd)

- Determine caseload estimates
- Determine estimated FTE requirements
- Determine CCR data processing procedures
- Provide training
- Monitor log-in system
- Management reports

CCR Activities (cont'd)

- Reports to CDC
- Analysis of effectiveness
- SWOT analysis

Benefit to Physicians

- Description of patient load composition
 - Demographics characteristics
 - Tumor characteristics
 - Treatment characteristics
 - Track access to and release of cancer data
- Availability of data for research

Implementation Challenges

- Hardware and software
- Physician and facility identification numbers
- Marketing to physicians
- Collecting specific data items
- Training mechanisms
- Timeline required adjustment

Implementation Challenges

- State organizational structure
- State resources; staff agreement, IT staff
- Configuration of Web Plus to meet state-specific needs
- Limited schedule of conference calls

Software Improvements

- Improved features of Web Plus
 - Data submission file upload
 - Batch editing of data submissions
 - Site-specific stage and treatment tables
- Future enhancements
 - Partial abstracts
 - Individual case editing
- Management reports incorporated into other Registry Plus products

Project Strengths

- Efficient method of data collection
- Identifies areas for software enhancements
- Simplicity of reporting
- More control of database
- Improves completeness and quality
- Reduces CCR costs
- CDC staff flexibility

Project Weaknesses

- Time constraints
- Continued funding
- Physician collaboration, recruitment
- Lack of resources for additional workload
- Using Web Plus application

Project Opportunities

- Improved ability to meet NPCR Program Standards for completeness
- Marketing CCR
- Improved physician collaboration

Project Threats

- Potential physician opposition
- Lack of resources at CCR
- Hospital registrar opposition

Project's Impact on Participating Registries

- Case finding
- Existing workload
- Training

Project's Impact on Participating Registries

- Case completeness
- Number of new cases identified

Participating States' Web Plus Websites

- NPCR
 - <http://broadband.ngcits.com/webplus/logonen.aspx>.
 - User Name: johndoe Password: abstractor
- Arkansas
 - <https://dhhs.arkansas.gov/ACCR/logonen.aspx>
 - User Name: johndoe Password: test123
- Missouri
 - <https://webplus.umh.edu/webplus>
 - Prostate: UserID: johndoe Password: test
 - Melanoma: User ID: janedoe Password: test



Contact Information



- Reda Wilson
 - dfo8@cdc.gov
 - 770-488-3245
- Sanjeev Baral
 - zkk5@cdc.gov
 - 770-488-1033
- Scott Van Heest
 - sgv1@cdc.gov
 - 770-488-4863
- Joe Rogers
 - jdr0@cdc.gov
 - 770-488-4701

