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# **VIEWS**

## Immediate Validations for Mortality Data

**Steven Rushing**

National Center for Health Statistics



**Gateway to the Future:  
Improving the National Vital Statistics System  
St. Louis, MO    June 6<sup>th</sup> – June 10<sup>th</sup>, 2010**



# What Is VIEWS?

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## Validations and Interactive Edits Web Service

An online service provided by NCHS enabling improved mortality data validations during data entry which can be used by state Electronic Death Registration Systems (EDRS.)



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# Goals of VIEWS

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By providing improved and consistent validations immediately at data entry, VIEWS will:

- Improve data quality at the outset, increasing its value for surveillance.
- Improve efficiency by reducing the number of “rejects” to be coded and late stage “cleanups”.
- Reduce training demands for the EDRS states by providing “smarter” tools. **Validate instead of train.**



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# How Will VIEWS Benefit You?

An EDRS state incorporating VIEWS into its EDRS will gain the following benefits:

- Improved Spellchecking and data quality
- Earlier notice for starting “queries”
- Surveillance
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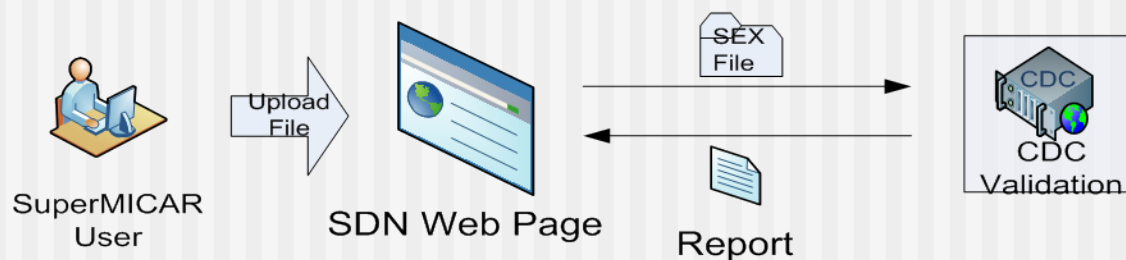




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- Rare Words
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NCHS **will** support this development **to some extent**.



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**The state will make all of the practical implementation and use decisions, including:**

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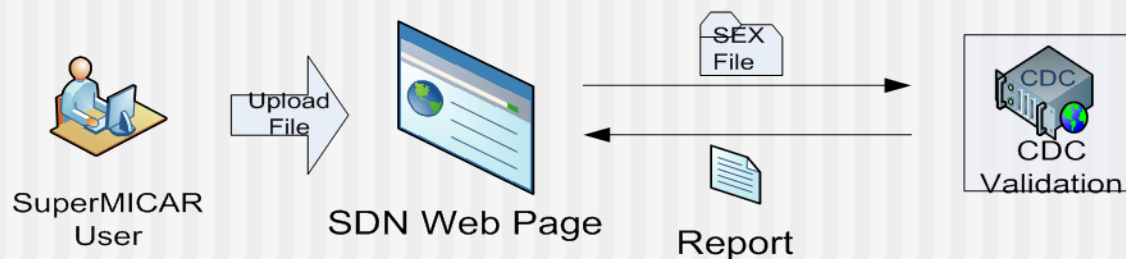
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# VIEWS: Spellchecker

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VIEWS will provide an improved “mortality focused” spellchecker including:

- Additional medical terms including drugs
- Better, mortality-focused suggestions for choices:
  - **Mellitus** before Militias
  - **Rifle** before Raffle or Riffle
  - **Alzheimer's** before Alchemies
  - **Lung** before **Unk** before **Hung** before **Stung**.

VIEWS Spellchecker will never suggest a rare word.



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# VIEWS: Abbreviations

VIEWS will ask for clarification on ambiguous or unknown abbreviations, prompting data entry staff to verify spelling and medical providers to clarify intended entry:

- **CRF:** Chronic Renal Failure or Chronic Respiratory Failure?
- **DS:** Down's Syndrome or Disease?
- **DT:** Due to or Delirium Tremens?
- **EX Obesity:** Exogenous or Extreme?
- **MI:** Michigan or Myocardial infarction
- **CA:** California or Cancer?



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# When Will VIEWS Be Ready?

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VIEWS will go live for production use in 2011 and be open for all users by the end of that year.

VIEWS will be implemented as a pilot program in 2010, phasing in validations and expanding participants as the year progresses



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# VIEWS: What Do You Want?

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We want your input.

- Which elements of VIEWS are of greatest interest to you?
- What additional elements would you find useful as we proceed?
- Are you interested in participation in VIEWS?



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St. Louis, MO    June 6<sup>th</sup> – June 10<sup>th</sup>, 2010**



# VIEWS User Group

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The VIEWS User Group can exchange information and input and receive regular updates on VIEWS development and progress.

Information on VIEWS related online discussion groups is available.

You can contact us at [VIEWS@CDC.GOV](mailto:VIEWS@CDC.GOV).



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# VIEWS Contact Info

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You can contact us at [VIEWS@CDC.GOV](mailto:VIEWS@CDC.GOV).

Steve Rushing ([Srushing@CDC.GOV](mailto:Srushing@CDC.GOV)) is the VIEWS Project Manager and deals with technical issues.

Chuck Sirc ([Csirc@CDC.GOV](mailto:Csirc@CDC.GOV)) is the COTR and deals with non-technical issues and matters of policy and support.



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# More VIEWS at NAPHSIS

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There will be live demonstrations (*"live" as in actually connected to a web service and processing*) of the VIEWS prototype Tuesday June 8<sup>th</sup> from 1:30-5pm hosted by John Bunch (SRA - VIEWS Development Project Manager [john\\_bunch@sra.com](mailto:john_bunch@sra.com)) in the Systems Roundtables room.

The prototype uses sample screens patterned after Utah's EDEN system. Thanks to Barry Nangle and his Utah staff for their assistance.



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