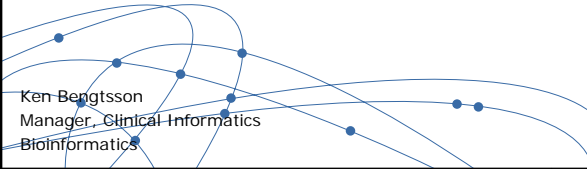


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# FormsNet™ 2.0



Ken Bengtsson  
Manager, Clinical Informatics  
Bioinformatics

*CRP/Data Managers Meeting – Keystone 2007*

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## Today's Topics

- Impact of the SCTOD
- Forms Harmonization
- Form submission options
- FormsNet 2.0 features
- Paper vs. electronic submission
- TED-on-the-Web

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## SCTOD

- **S**tem Cell Therapies **O**utcomes **D**atabase
- HRSA will require a minimal data set to be captured on all transplants that happen with a US recipient
- In effect July 2, 2007
- CIBMTR will maintain the database and provide HRSA with minimal data set
- NMDP is subcontracted to collect data



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### Forms Harmonization!

- Only one set of recipient outcome forms to fill out!



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### Forms Harmonization cont.

- Includes all recipient outcomes forms including:
  - ID registration
  - Pre/post TED
  - Research baseline, 100 day, 6 mo – 2yr and >2 yr
  - Death
  - HSCT product
  - Confirmation of HLA Typing (non-NMDP donors)
  - IDM
  - Disease specific inserts (i.e. AML, ALL, CML, etc.)

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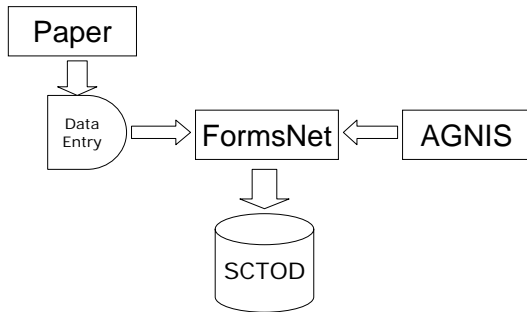
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### Form Submission Options



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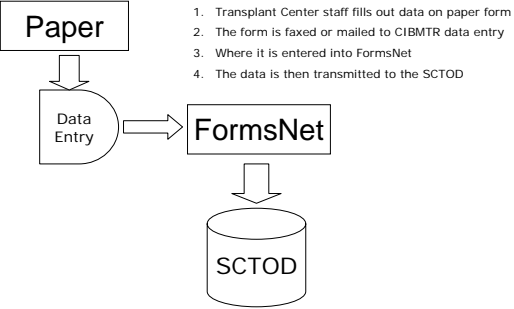
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### Paper Submission



1. Transplant Center staff fills out data on paper form
2. The form is faxed or mailed to CIBMTR data entry
3. Where it is entered into FormsNet
4. The data is then transmitted to the SCTOD

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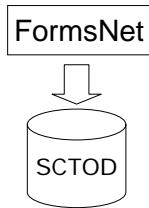
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### FormsNet Submission



1. Transplant Center staff fills out form in FormsNet 2.0 application.
2. All validation is real time
3. Error can be corrected immediately
4. The data is then transmitted to the SCTOD
5. FormsNet will be replacing TED-on-the-Web

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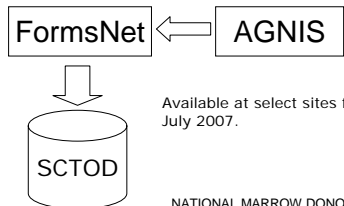
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### AGNIS Submission

1. Transplant Center staff fills out data in their own application(s)
2. At predetermined times data is reviewed by Center and then submitted via AGNIS to FormsNet
3. Updates to data at TC can be sent at a later date and will be reflected on the form.
4. The data is then transmitted to the SCTOD



Available at select sites for July 2007.

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## FormsNet 2.0 Features

- Web-based application
- Real time
  - List of forms that are due
  - Validation and error correction/override
  - Form submission
- Save incomplete forms to be completed later
- Secure - SecurID® RSA token, ID and PIN required
- Encrypted connection (128 bit SSL)
- Query and reporting tools
- Data entry does not require use of mouse
- Completed forms available in PDF format

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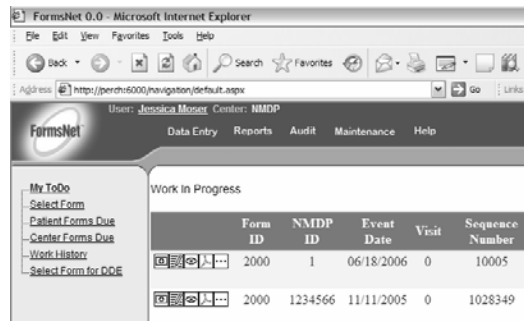
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## Web-based



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## Real Time Form Status

- Patient and Center screens showing forms and their status
  - i.e. currently due or populated, all and due now



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## Real Time Validation

- Data validation happens after moving to another field

User: Jessica Moser Center: NMDP  
FormsNet Data Entry Reports Audit Maintenance Help  
NMDP Recipient ID: 6080983 Form: 2000 v1.0 Transplant Date: 11-19-2004

Form 2000 v1  
- Key  
- Dem/Die  
- Clin Stat  
- Org/Blood  
- Pre-Trans  
- Drugs  
- Socio  
- Error Review

8. Ethnicity ⓘ  
 Hispanic or Latino  
 not Hispanic or Latino  
 not applicable, non-resident of USA

ⓘ Ethnicity must be answered  
 PC - Leave AS Error  
 JA - Not Answered  
 NT - Not Tested  
 UA - Unable to Answer  
 UK - Unknown

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## Real Time Form Submission

- Forms are considered complete once they are entered into FormsNet and are error free, regardless of the submission method.
- Forms can be saved incomplete.
- Completed forms can be printed out in PDF format regardless of submission method.
- Data can be updated after a form is completed.
- Forms under audit cannot be updated.

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## Secure

- Centers are limited to their own data.
- Roles based – multiple levels of access available for individuals.
- Only completed data is submitted to the CIBMTR.
- Identifying data is separated and stored by itself with limited access.
- Connections with FormsNet are encrypted.
- Physical RSA card.



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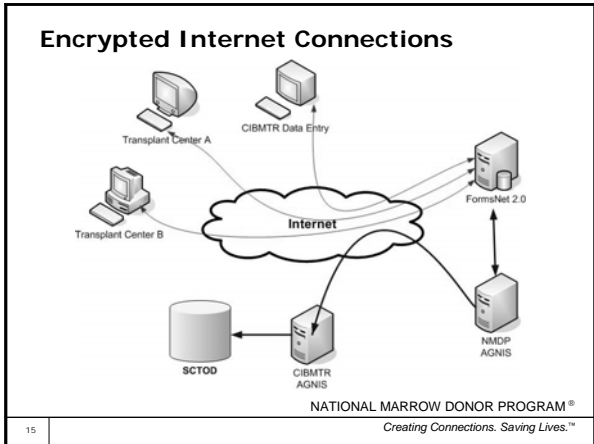
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- ### Query & Reporting Tools
- Standardized reports
    - e.g. ASBMT standard RFI report
  - Query tool to perform:
    - Simple aggregate queries (e.g. # of AML transplants)
    - Search (e.g. who had AML transplants in 2006)
  - Filter queries by:
    - Form
    - Form fields
    - Field contents
  - Sort and display in PDF or export to Excel.
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### Mouse Not Required

NMDP Recipient ID: 1234567 Form: 2100 v1.0 Transplant Date: 07-01-2006

8. Has the recipient received hematopoietic, lymphoid growth factors or cytokines after the start of the preparatory regimen?

Yes  No

Specify agents and provide dates for the first course of each agent given in this reporting period:

9. G-CSF

Yes  No

10. Date G-CSF therapy started:

11.

12. Specify drug given:

Neupogen  Neulasta  Lenograstim

13. GM-CSF

Buttons: Save, Cancel, Next Page, Next Error, Clear Field

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PDF

**Recipient Death Data**  
Registry Use Only

Sequence Number: 6722441  
Date Received: 10-31-2006

CIBMTR Center Number: [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]  
CIBMTR Recipient ID: 9808536  
Today's Date: 10-30-2006  
Date of HSCT for which this form is being completed: 05-23-2002

HSCT type:  autologous  allogeneic  allogeneic related  syngeneic (identical twin)  
Product type:  marrow  PBSC  cord blood  multiple cord blood units infused

To be completed in conjunction with a Form 2100 — 100 Days Post-HSCT Data, Form 2200 — Six Months to Two Years Post-HSCT Data, or Form 2300 — Greater Than Two Years Post-HSCT Data.

1. Date of death: 07-01-2002

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### Paper vs. Electronic Submission

- FormsNet 2.0:
  - Manages form tracking/status
  - Instant validation and error correction/override
  - Faster form submission
  - Eases CPI compliance
  - Option to print clean PDF copy once complete
  - Security
- Paper:
  - Manual form tracking/status
  - Increased likelihood of errors and manual corrections
  - Faxed copies get hard to read
  - Mailed forms can be lost and are not secure

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### Questions?

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