



NMVB REDCap Project

2018 Annual Face to Face Meeting

<https://www.mesotissue.org/>

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Our Goal with this Project

- We are Committed To Providing the Existing NMVB Functionality
- Improving the User NMVB Experience

Why Change to a REDCap Project?

➤ REDCap is Secure:

Why Change to a REDCap Project?

➤ REDCap is Secure:

- Secure Login Page
- All traffic between the browser and application is encrypted
- Data stored at a secure location (NOC)
- Audit Trails for accountability

Why Change to a REDCap Project?

- REDCap is Reliable

Why Change to a REDCap Project?

- REDCap is Reliable:
 - Used by over 2800 institutions
 - Developed and supported by Vanderbilt
 - Experienced REDCap team here at DBMI

Why Change to a REDCap Project?

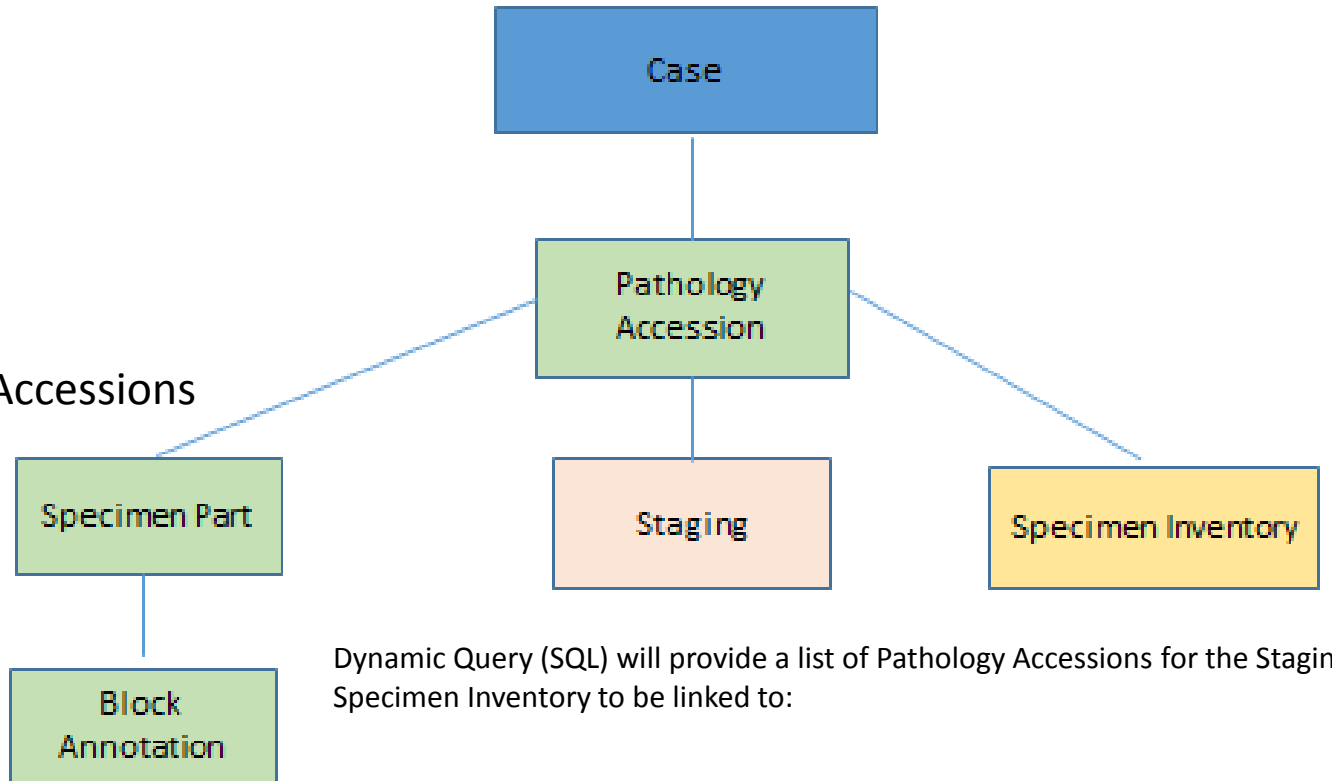
➤ The REDCap Features:

Why Change to a REDCap Project?

- The REDCap Features:
 - Ease of Project Modification
 - Mandatory Fields
 - Range Checking
 - Form locking/unlocking
 - Dynamic Query (SQL)
 - Standard Reporting Capabilities
 - Repeatable Forms

Dynamic Query in Action

Dynamic Query (SQL) will provide a list of Pathology Accessions for the Specimen Part to be Linked to:



Dynamic Query (SQL) will provide a list of Pathology Accessions for the Staging and Specimen Inventory to be linked to:

Dynamic Query (SQL) will provide a list of Specimen Parts for the Block Annotation to be Linked to:

New REDCap NMVB Record/Case Interface

University of Pittsburgh

NMVB - Rework 2







Record Home Page












The grid below displays the form-by-form progress of data entered for the currently selected record. You may click on the colored status icons to access that form/event.

[Choose action for record](#) ▾

Record ID **MVB1080**

Legend for status icons:

-  Incomplete
-  Incomplete (no data saved) [?](#)
-  Unverified
-  Complete
-  Many statuses (all same)
-  Many statuses (mixed)

Data Collection Instrument	Status
Enrollment	
Patient Demographics	
Patient Medical History	 +
Recurrence	
Therapy	 +
Physical Characteristics and Imaging History	
Occupation and Exposure History	 +
Tobacco and Alcohol Use	
Family Cancer History	 +
Vital Status	 +
Specimen Annotation	 +

Repeating Instruments

Patient Medical History ▾
1  + Add new

Therapy ▾
1  + Add new

Occupation and Exposure History ▾
1 
2  + Add new

Family Cancer History ▾
1  + Add new

Vital Status ▾
1  + Add new

Specimen Annotation ▾
1  + Add new

Enrollment

Editing existing Record ID **MVB1080**

Record ID	MVB1080 <small>To rename the record, see the record action drop-down at top of the Record Home Page.</small>
Institution	<input type="text" value="Penn"/>
Case Type	<input type="text" value="Mesothelioma: Malignant - Pleural"/>
Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Unknown <small>reset</small>
Race	<input type="text" value="White"/>
Ethnicity	<input type="text" value="Non-Hispanic or Latino"/>
Age Range at Diagnosis	<input type="text"/> <small>Age of patient at the time of the first positive tissue diagnosis</small>
Age Range at Enrollment	<input type="text"/> <small>Age of patient at the time of the Enrollment</small>
Prospective Or Retrospective?	<input checked="" type="radio"/> Prospective <input type="radio"/> Retrospective <small>reset</small> <small>Prospective study starts with the present condition of a population of individuals and follows them into the future. A retrospective study starts with the present condition of a population of individuals and collects data about their past history to explain their present condition</small>
Follow Up Stop Date	<input type="text" value="31-10-2017"/> <input type="button" value="Today"/> <small>D-M-Y</small>
Further Contact?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not Specified <small>reset</small>
Date Last Updated	<input type="text"/> <input type="button" value="Today"/> <small>D-M-Y</small>

Data Types Include:

- Multiple Choice Drop-down list
- Radio Buttons
- Calculated Fields
- Checkboxes
- Slider/Visual Analog Scale
- Dynamic Query (SQL)
- File Upload
- Date/Time

- Mesothelioma: Benign - Pleural
- Mesothelioma: Malignant - Pleural**
- Mesothelioma: Consult Only
- Mesothelioma: Slide Review only
- Non-Mesothelioma
- Mesothelioma Malignant - Peritoneal
- Mesothelioma Benign - Peritoneal
- Other
- Unknown

New REDCap NMVB Record/Case Interface

University of Pittsburgh

NMVB - Rework 2







Record Home Page












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[Choose action for record](#) ▾

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Data Collection Instrument	Status
Enrollment	
Patient Demographics	
Patient Medical History	 +
Recurrence	
Therapy	 +
Physical Characteristics and Imaging History	
Occupation and Exposure History	 +
Tobacco and Alcohol Use	
Family Cancer History	 +
Vital Status	 +
Specimen Annotation	 +

Repeating Instruments



Patient Medical History ▾

1	
+ Add new	


Therapy ▾

1	
+ Add new	


Occupation and Exposure History ▾

1	
2	
+ Add new	


Family Cancer History ▾

1	
+ Add new	

Vital Status ▾

1	
+ Add new	

Specimen Annotation ▾

1	
+ Add new	

New REDCap NMVB Record/Case Interface

Look at an existing record

University of Pittsburgh

NMVB - Rework 2

[Record Home Page](#)

The grid below displays the form-by-form progress of data entered for the currently selected record. You may click on the colored status icons to access that form/event.

[Choose action for record](#)

Record ID **MVB1080**

Data Collection Instrument	Status
Enrollment	●
Patient Demographics	●
Patient Medical History	● +
Recurrence	○
Therapy	● +
Physical Characteristics and Imaging History	●
Occupation and Exposure History	● +
Tobacco and Alcohol Use	●
Family Cancer History	● +
Vital Status	● +
Specimen Annotation	● +

Repeating Instruments

Instrument	Count	Status	Action
Patient Medical History	1	●	+ Add new
Therapy	1	●	+ Add new
Occupation and Exposure History	1	●	+ Add new
	2	●	
Family Cancer History	1	●	+ Add new
Vital Status	1	●	+ Add new
Specimen Annotation	1	●	+ Add new

Legend for status icons:

- Incomplete
- Incomplete (no data saved) ?
- Unverified
- Many statuses (all same)
- Complete
- Many statuses (mixed)


The REDCap Consortium | [Citing REDCap](#) | [VUMC](#) | [DigLib](#) | [People Finder](#) | [GCRC](#)
5607 Baum Boulevard Pittsburgh, PA 15206-3701

REDCap 8.1.10 - © 2018 Vanderbilt University

Existing Therapy Record

Therapy


Current instance:

 Editing existing Record ID **MVB1080**

Record ID	MVB1080
Therapy Type	<input type="checkbox"/> Surgery <input checked="" type="checkbox"/> Radiation therapy <input type="checkbox"/> Chemotherapy <input type="checkbox"/> Hormone therapy <input type="checkbox"/> Immunotherapy <input type="checkbox"/> Brachytherapy <input type="checkbox"/> Cryotherapy <input type="checkbox"/> External beam <input type="checkbox"/> Watchful expectancy <input type="checkbox"/> Other <input type="checkbox"/> Talc Pleurodesis <input type="checkbox"/> Photodynamic <input type="checkbox"/> None <input type="checkbox"/> Unknown
Therapy Months After Diagnosis	<input type="text" value="1"/>
Neoadjuvant Therapy	<input type="text" value="No"/>
Presence of Pleural Effusion	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Unknown <input type="radio"/> Not applicable reset
Presence of Ascites	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Unknown <input type="radio"/> Not applicable reset
Form Status	

Therapy

Current instance:

 Editing existing Record ID **MVB1080** (Instance #2)

Create New Therapy Record

Record ID	MVB1080
Therapy Type	<input type="checkbox"/> Surgery <input type="checkbox"/> Radiation therapy <input type="checkbox"/> Chemotherapy <input type="checkbox"/> Hormone therapy <input type="checkbox"/> Immunotherapy <input type="checkbox"/> Brachytherapy <input type="checkbox"/> Cryotherapy <input type="checkbox"/> External beam <input type="checkbox"/> Watchful expectancy <input type="checkbox"/> Other <input type="checkbox"/> Talc Pleurodesis <input type="checkbox"/> Photodynamic <input type="checkbox"/> None <input type="checkbox"/> Unknown
Therapy Months After Diagnosis	<input type="text"/>
Neoadjuvant Therapy	<input type="text"/>
Presence of Pleural Effusion	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown <input type="radio"/> Not applicable reset
Presence of Ascites	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown <input type="radio"/> Not applicable reset
Form Status	

Reporting Functionality that will be Available at the time of Initial Release

- A Group of Standard Reports
- A Group of Users will be able to define Additional Reports
- Text, Statistics and Charts of Data
- Exports to Excel, SSPS, SAS, R, and STATA

Example of Case Type Report

Case Type

DISPLAY OPTIONS

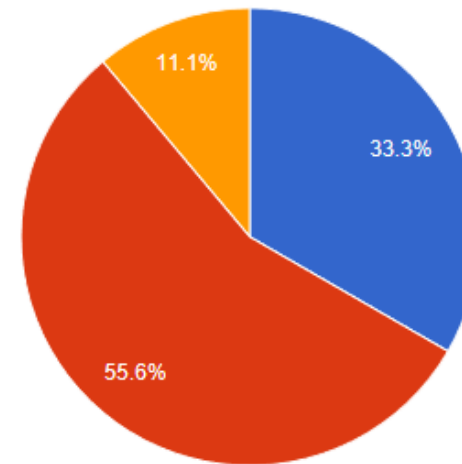
Optional: Select a record to overlay onto the plots below -- select record -- ▾

Viewing options: Show plots & stats Show plots only Show stats only

Case Type [Refresh Plot](#) | [View as Pie Chart](#) ▾

Total Count (N)	Missing	Unique
9	1 (10.0%)	3

Counts/frequency: Mesothelioma: Benign - Pleural (3, 33.3%), Mesothelioma: Malignant - Pleural (5, 55.6%), Mesothelioma: Consult Only (1, 11.1%), Mesothelioma: Slide Review only (0, 0.0%), Non-Mesothelioma (0, 0.0%), Mesothelioma Malignant - Peritoneal (0, 0.0%), Mesothelioma Benign - Peritoneal (0, 0.0%), Other (0, 0.0%), Unknown (0, 0.0%)



[Download image](#)

What Challenges Lie Ahead?

- Finalize the Project Inputs
- Upload Existing Data into the NMVB REDCap Project
 - QA/QC on NMVB Data
 - The Good News:
 - Our Team has ETL an existing project of similar scope and size recently

Thank- You