Using an Access Database to Increase the Ease and Efficiency of Performing Quality Control for Data Entry

Kate Krueger
University of Wisconsin Survey Center
University of Wisconsin-Madison

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Identifying the Problem

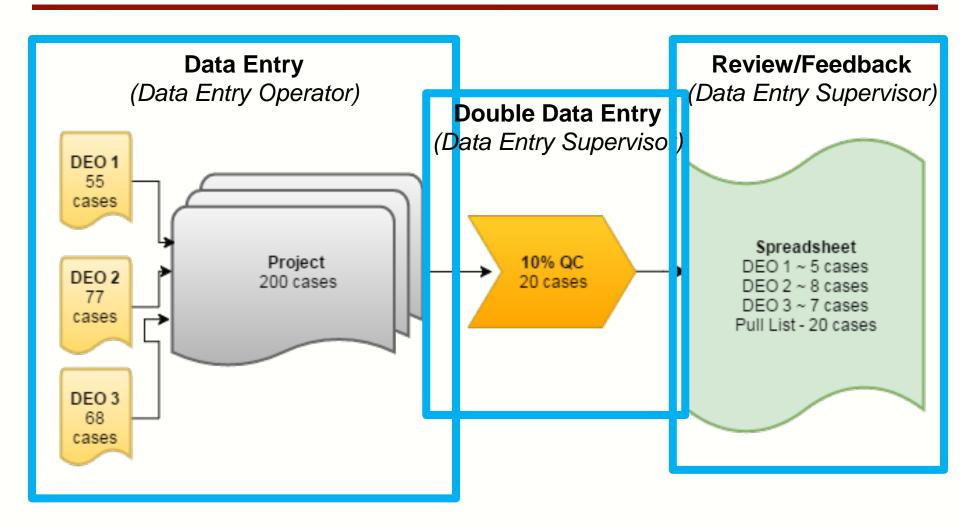
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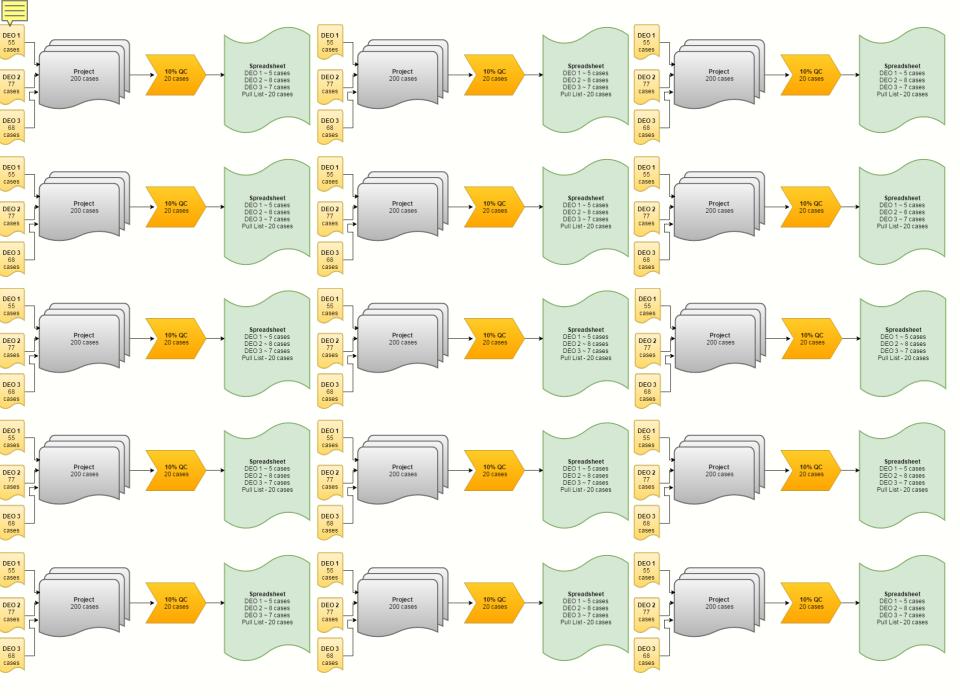


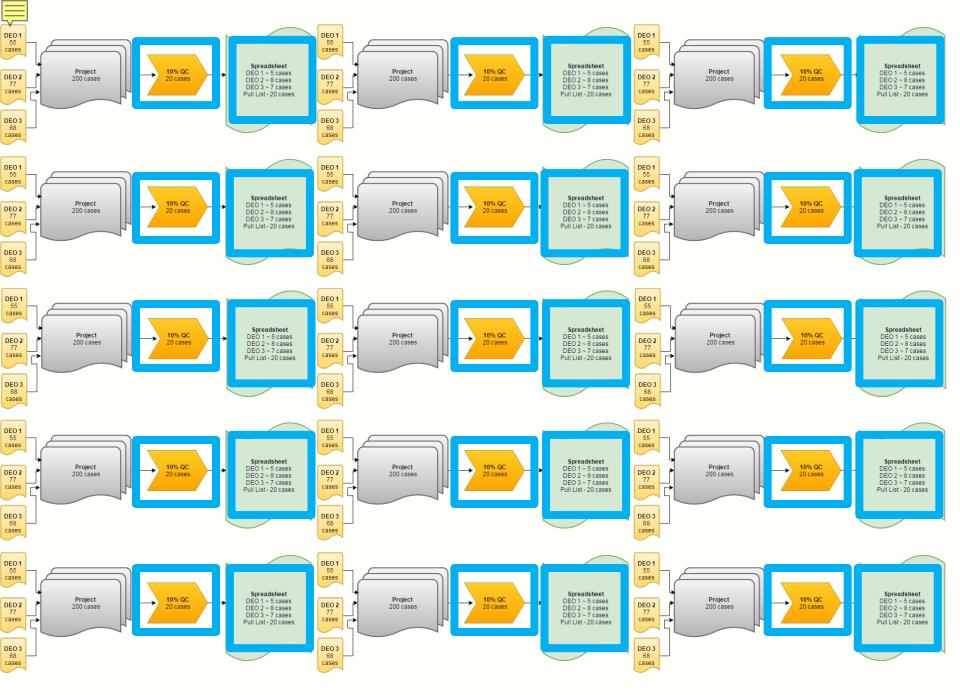


Data Entry Quality Control (QC) Process for a Single Project



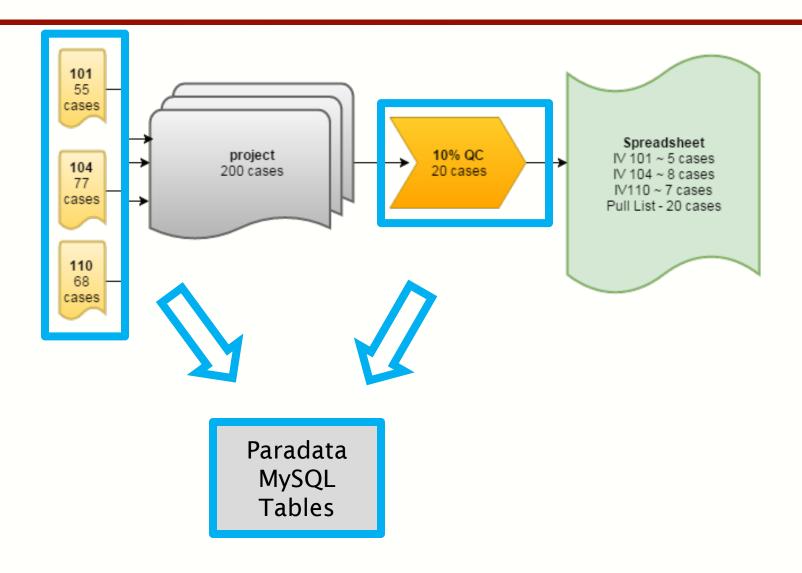








Metadata/Paradata Logging







The Solution: Data Entry QC Database

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The Solution: Data Entry QC Database

- Low tech solution
 - Access Database
 - Dashboard qualities
 - Quick to implement
 - Easy to use/modify

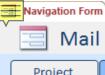




Data Entry QC Database: Tables

- ODBC links
- Paradata Information MySQL tables
 - dedata
 - General information about the case
 - Project number, Start and end times, DEO ID number, etc.
 - verifylog
 - Log of discrepancies encountered during 2nd pass of double data entry during QC
 - Caseid, item name, 1st pass response and 2nd pass response, item changed?
- Notes Output CSV file
 - All_workednotes
 - Notes attached to all cases data entered

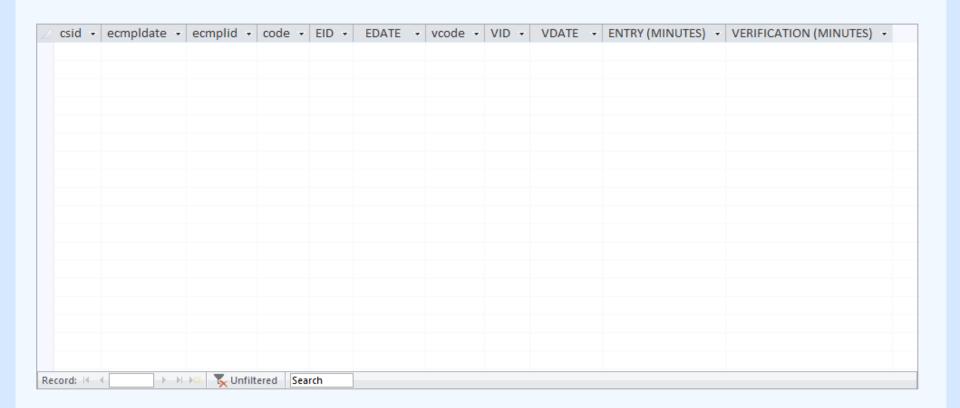




Mail and Data Entry Quality Control Tool

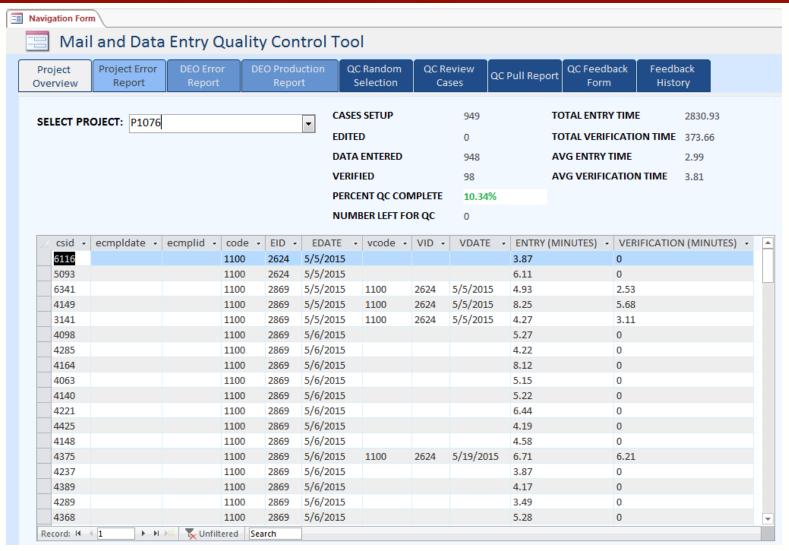
Project Coverview Project Error Report DEO Error Report Report Report QC Random Selection Cases QC Pull Report QC Feedback Form History

SELECT PROJECT:





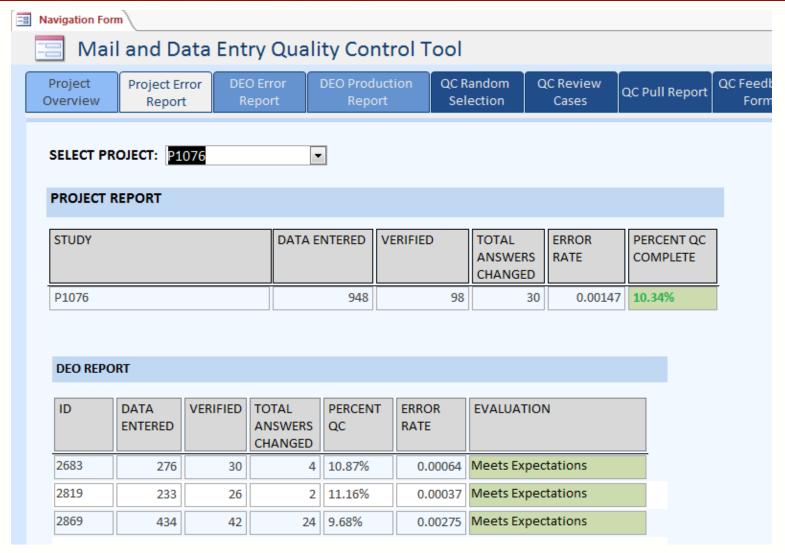
Information Tabs: Project Overview







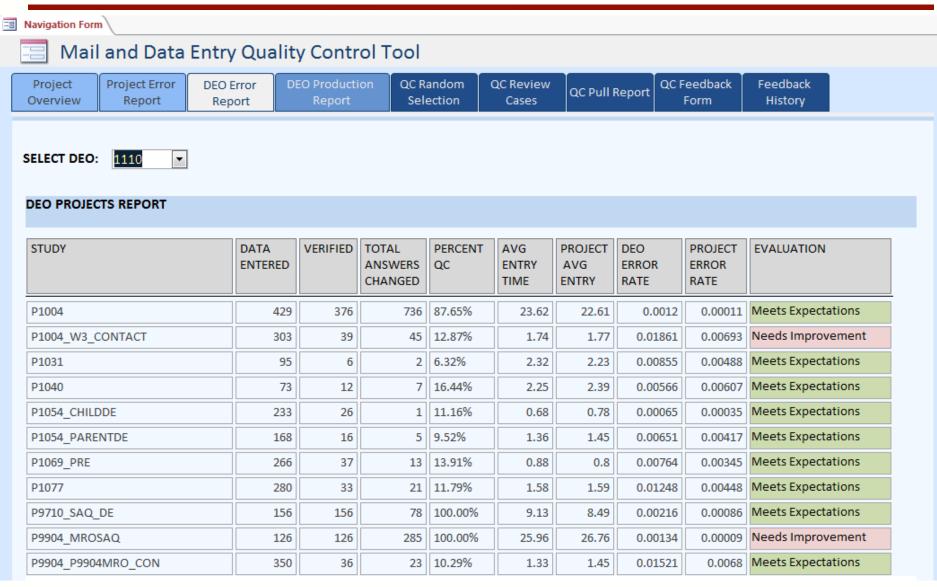
Information Tabs: Error Report by Project





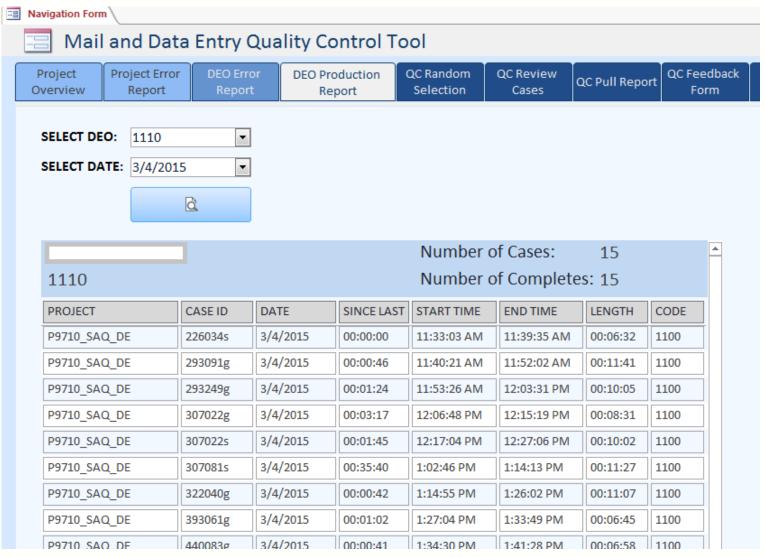


Information Tabs: Error Report by DEO





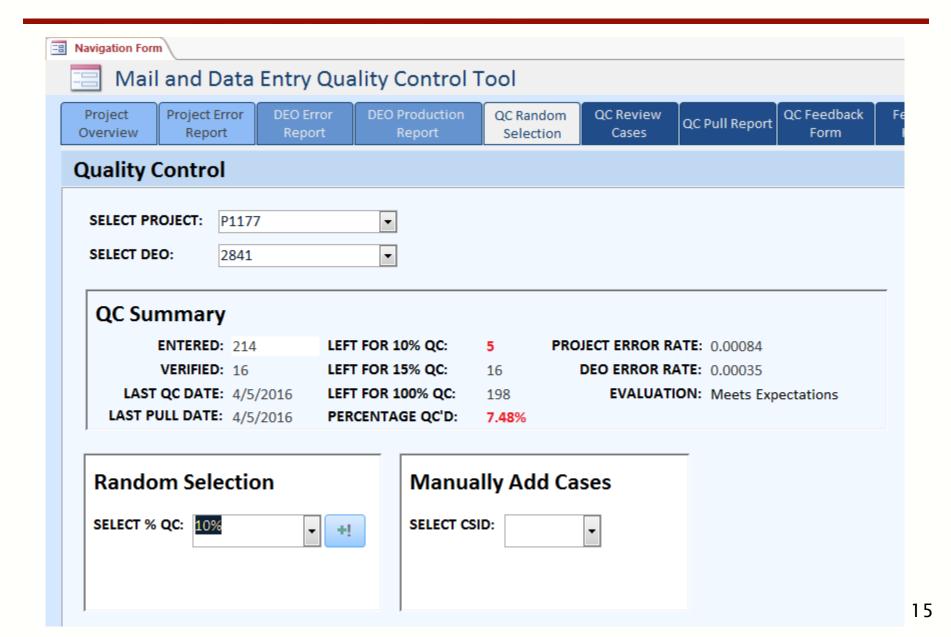
Information Tabs: DEO Production Report







Action Tabs: QC Random Selection



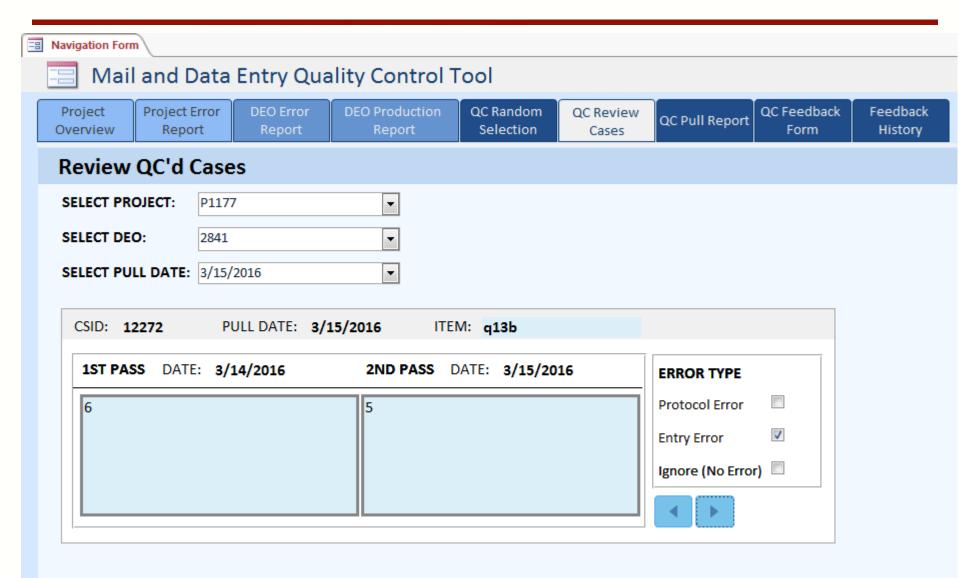


QC Random Selection: Pull List

	STUDY	1		csid	ı	PullDate	
P1177	7		10090		1	4/5/2016	1
P1177	7		10219		I	4/5/2016	1
P1177	7		10396		1	4/5/2016	
P1177	7		11045		1	4/5/2016	
P1177	7		11489		1	4/5/2016	1
P1177	7		11864		I	4/5/2016	ı
P1177	7		12042		1	4/5/2016	
P1177	7		12109		I	4/5/2016	1
P1177	7		12159		I	4/5/2016	I
P1177	7		12392		I	4/5/2016	I
P1177	7		12562			4/5/2016	1
P1177	7		12619			4/5/2016	
P1177	7		20196			4/5/2016	
P1177	7		12109 12159 12392 12562 12619		 	4/5/2016 4/5/2016 4/5/2016 4/5/2016 4/5/2016	- -

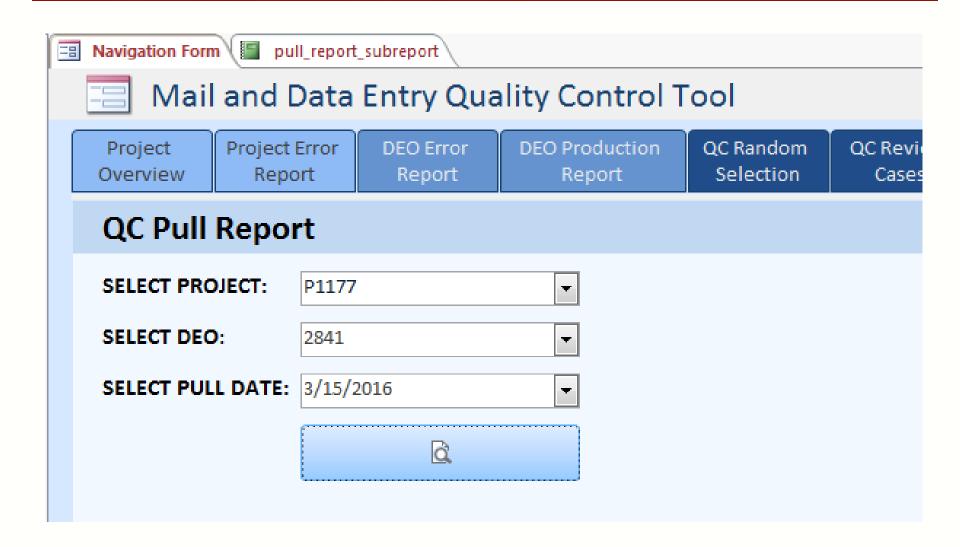


Action Tabs: QC Review Cases

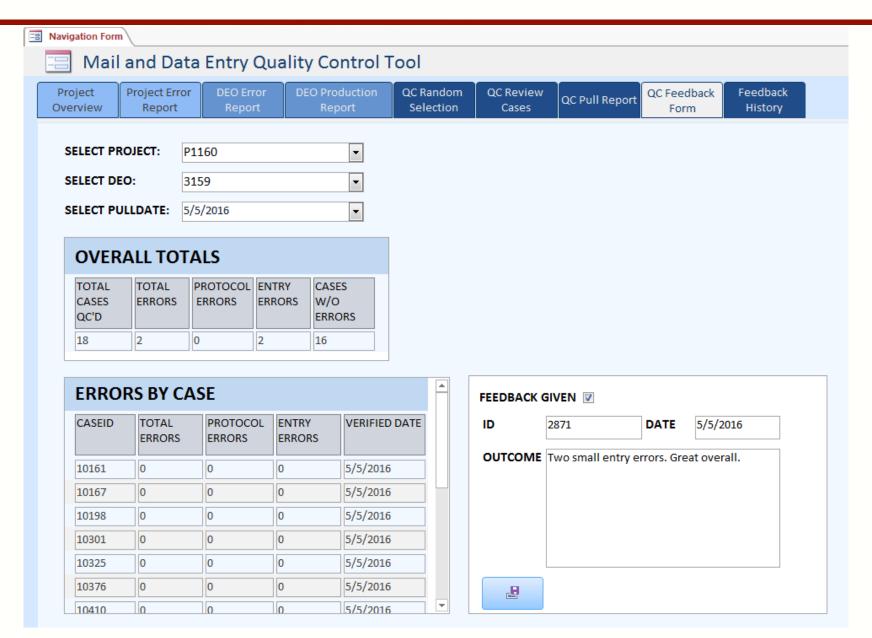




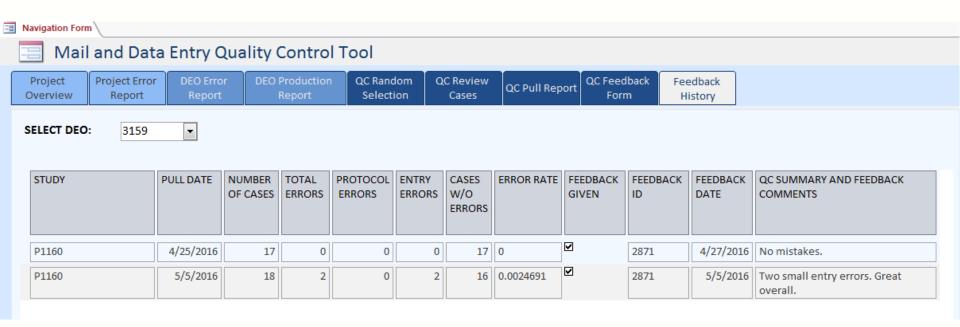
Action Tabs: QC Pull Report



Action Tabs: QC Feedback Form



Information Tabs: Feedback History





Conclusion

- Access database low tech solution
- Central location
- No more spreadsheets!
- Short development time
- Logging paradata information across projects is key



Acknowledgements

- Data Entry Department
 - Carrie Barrett, DE Supervisor
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Thank You!

For copies of this presentation or more information, contact:

Kate Krueger kgolen@ssc.wisc.edu

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