WIC-PNSS & PedNSS

Challenges & Opportunities

Kobra Eghtedary, PhD
Director of Data, Research & Technology
Michigan WIC Program

WIC-PNSS & PedNSS

- The purpose of this project is to develop the system and produce reports that are congruent with the CDC Pregnancy Nutrition Surveillance System (PNSS) and Pediatric Nutrition Surveillance System (PedNSS). This includes implementation of existing validation and cleaning, analysis, data storage, file creation, and report generation procedures.

- When CDC stopped producing the PNSS and PedNSS reports in 2012, a vital WIC program planning and evaluation data source was lost. In order to fill the gap, MI–PNSS & PedNSS was developed to collect, analyze, and disseminate data to guide public health policy and action related to WIC population. This information is used for strategic planning, implementation of program priorities and monitoring WIC program effectiveness. The data is also used in evaluation of Block grants and other public health programs.

WIC-PNSS & PedNSS

- Michigan WIC invested to implement a web-based application, the MI–PNSS & PedNSS in 2012. It allows authorized users to upload PNSS & PedNSS extracts to the system. Upon processing the system generates data quality reports, Annual demographic and Health indicator reports. It also has the ability to generate Master and Unique Master files. This project was successfully implemented for the MWR states

- The current bi-regional project attempts to transition the MI-PNSS & PedNSS system from Michigan to the current system contractor, Three Sigma Software (3SSW) in order to facilitate State Agency data submission from multiple USDA regions.

WIC-PNSS & PedNSS

- The MWR States (Indiana, Ohio, Wisconsin and Minnesota) have participated in the MI –PNSS & PedNSS project since 2012. Multiple States & regions have requested to participate since the project was implemented in Michigan.

- In 2016, USDA approved a grant for the purpose of expanding the project to MWR and MPR States. MI-PNSS & PedNSS was then transferred to a stand alone system as the WIC-PNSS & PedNSS ready to accept data extracts from all WIC programs nationally.

Data Source

- WIC-PNSS & PedNSS uses data extracts from the participating state WIC programs. The field requirements for data collection are the same as CDC field definitions and specifications.

Surveillance Reports

- The WIC-PNSS & PedNSS application has the ability to generate nutrition surveillance reports for each contributing states and nationally, defined as all participating contributors. A contributor may be a state, US territory or a tribal government. Each contributor can receive more specific reports by state, county, local agency , Metro Area or clinic.

Participating State Agencies

- Midwest Region
  - Michigan
  - Indiana
  - Illinois
  - Minnesota
  - Ohio
  - Wisconsin

* Mountain Plains Region
  * South Dakota
  * Kansas
  * North Dakota
  * Colorado
  * Cheyenne River Sioux, SD
  * Iowa
  * Montana
  * Nebraska
  * Rosebud Sioux, SD
  * Missouri
  * Standing Rock Sioux Tribe, ND
  * Three Affiliated Tribes, ND
  * Utah
  * Wyoming

Project Team

State Regional Leads:

MWR: Kobra Eghtedary, PhD

MPR: Rhonda Buntrock

Design & Development Vendor

Three Sigma Software

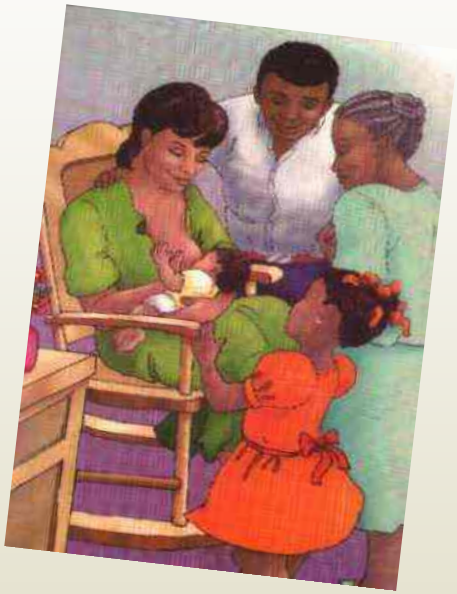
Participating WIC Agencies:

MWR: Michigan, Indiana, Ohio, Minnesota, Wisconsin

Mountain Plains: South Dakota, North Dakota, Kansas, Colorado, Iowa, Missouri, Montana, Nebraska, Utah, Cheyenne River Sioux, SD, Rosebud Sioux, SD, Standing Rock Sioux Tribe, ND and Three Affiliated Tribes, ND.

System Features

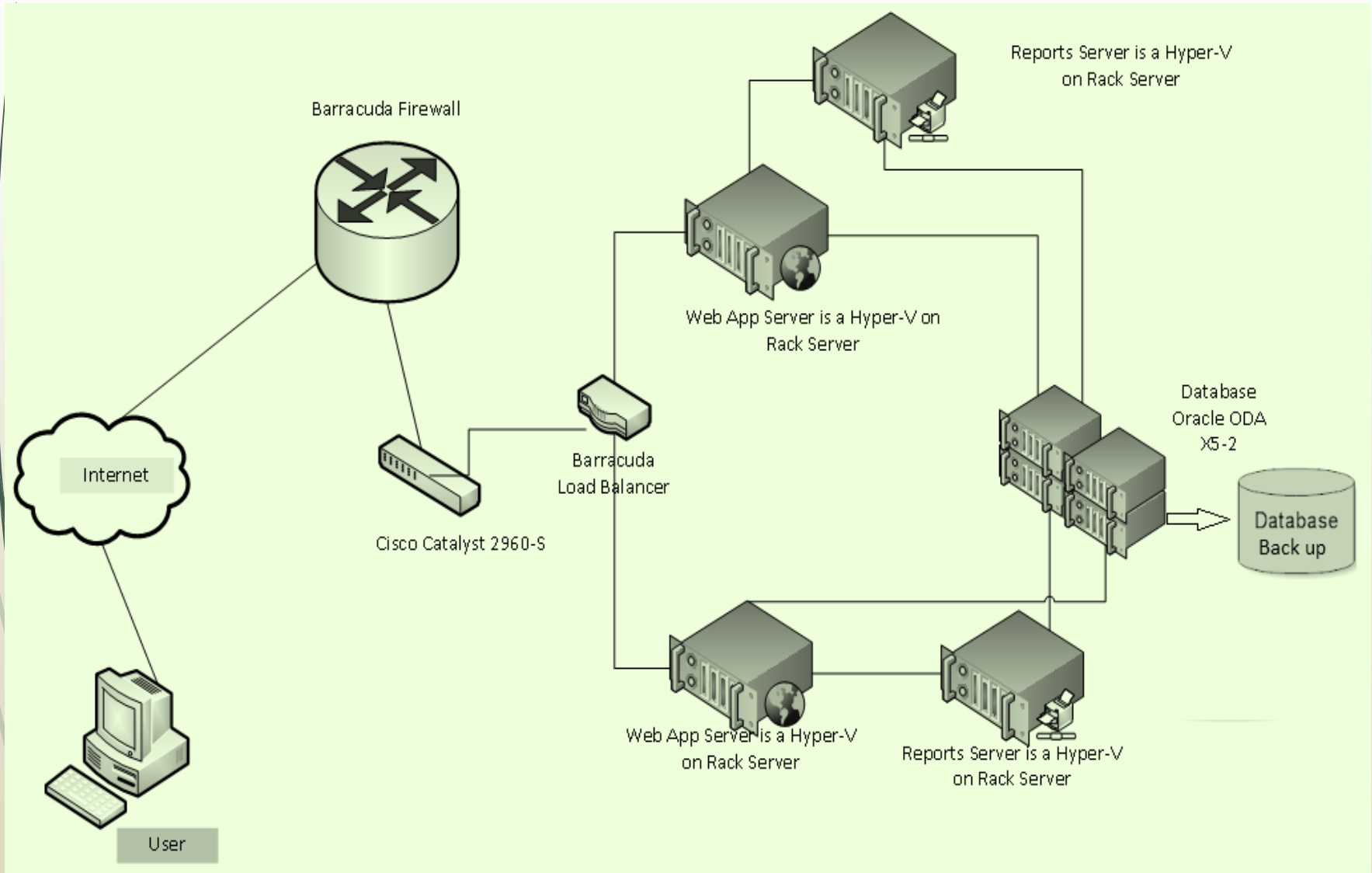
- Web-based Application – Access through Secure website
- Easy Navigation Features
- Emphasis on Data Security and Process Automation
  - Secure Role-Based Log in
  - Program Rules Application
  - Data Edits & Validation
  - Data Integrity
  - Historic Information
  - Report Generation
  - Emails to inform coordinators at different stages



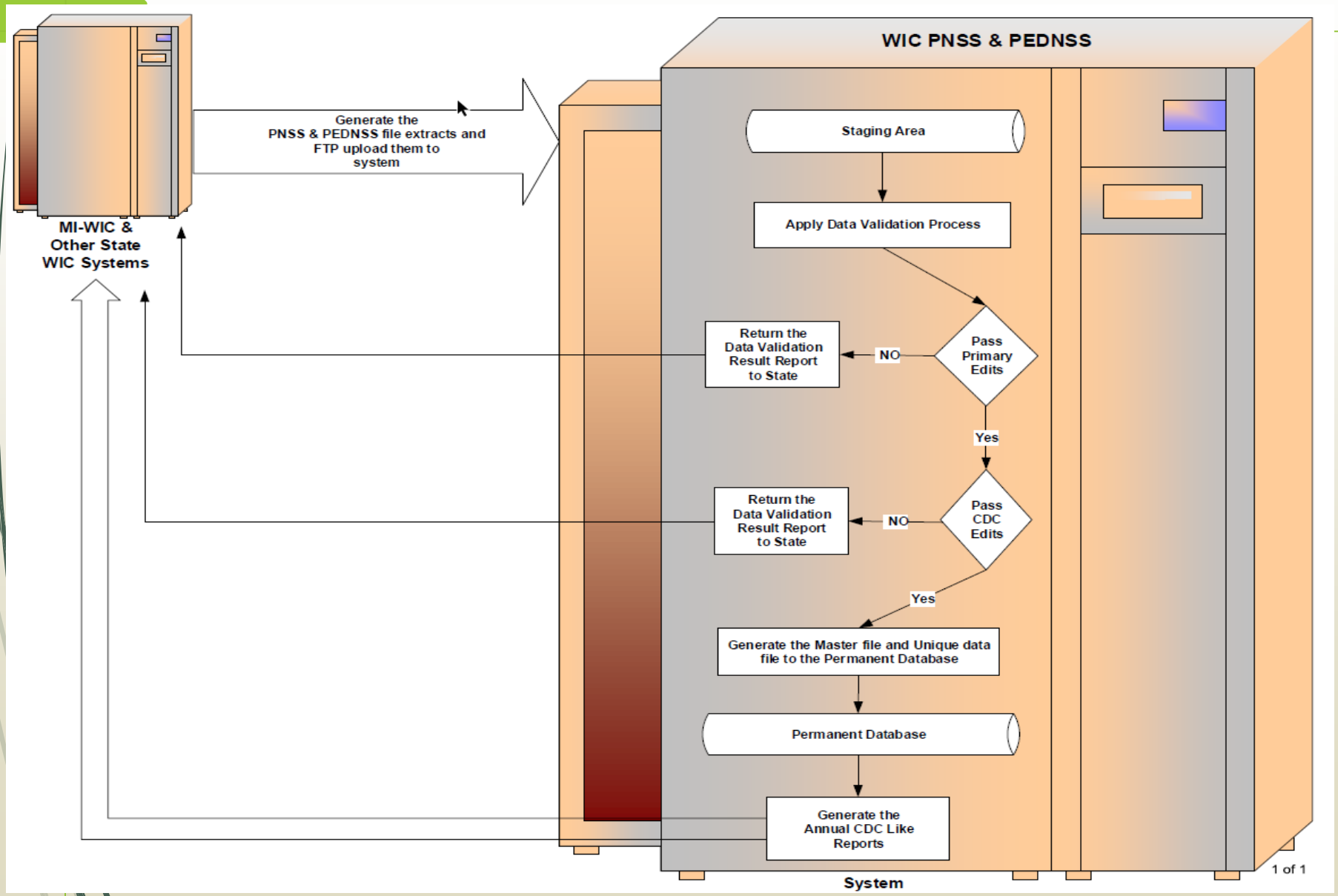
Hardware Architecture Setup

Data center Servers, Network, Hosting	Qty
2 Database servers (production & Test) - Server platform: Oracle T4-2; CPU/Threads : 2/16/128; Memory:128GB; SAN/NAS Size: 1TB	2
Oracle Licenses cost (Initial and First year)	2
Oracle Support cost (Yearly)	1
2 App Servers (Production & Test) - Server platform: Windows 2012; CPU/Threads: 4; Memory:9-16GB; SAN/NAS Size 100gb	2
2 Report Servers (Production & Test) - Server platform: Windows 2012; CPU/Threads: 4; Memory:9-16GB; SAN/NAS Size 100gb	2
Web Accelerator	2
Domain Controller	2
APC Rack PDU (20A/208V)	1
APC AP8858NA3 PDU	2
CAT 5 Cables	1
RSA Appliance - Maintenance and Support	1
KVM Network Switch	1
ACP AP8841 30A/208 PDU	1
Catalyst 2960S Cisco Switch	4
Cisco 2921 Router	2
RSA Secured Appliance	2
Cisco ASA 5520 Security Device	2
Data Center hosting Charges (monthly) & Data center Support Staff Cost	12
1 42U Cabinet	1
20 Mbps of BTP Blended Bandwidth	1
Power –16 amps / AB	1

Hardware Architecture



Data Processing Flow Diagram



Budget

PNSS and PEDNSS Cost Estimate by State and Region

Description		Start-up Cost	Ongoing /Maintenance Cost					Total for 5 years
			Year 1	Year 2	Year 3	Year 4	Year 5	
Total Data Center Cost		$ 300,828.69	$ 72,000.00	$ 114,583.48	$ 114,583.48	$ 114,583.48	$ 114,583.48	$ 831,162.61
Total Program Staff Costs		$ -	$ 345,670.00	$ 345,670.00	$ 345,670.00	$ 345,670.00	$ 345,670.00	$ 1,728,350.00
Total Cost		$ 300,828.69	$ 417,670.00	$ 460,253.48	$ 460,253.48	$ 460,253.48	$ 460,253.48	$ 2,559,512.61
Total Caseload Participated **			1,981,575	1,624,594	1,624,594	1,624,594	1,624,594	
Cost Per Case			$ 0.21	$ 0.28	$ 0.28	$ 0.28	$ 0.28	

Region	State	Average Monthly Caseload	Start up Cost Per State	Year 1 Cost Per Caseload for Each State	Year 2 Cost Per Caseload for Each State	Year 3 Cost Per Caseload for Each State	Year 4 Cost Per Caseload for Each State	Year 5 Cost Per Caseload for Each State	Total Cost for 5 years
Midwest Region	Michigan*	244,829	$ 150,414.35	$ 51,604.27	$ 69,360.96	$ 69,360.96	$ 69,360.96	$ 69,360.96	
	Indiana	154,485		$ 32,561.85	$ 43,766.17	$ 43,766.17	$ 43,766.17	$ 43,766.17	
	Illinois	247,594		$ 52,187.07	$ 70,144.29	$ 70,144.29	$ 70,144.29	$ 70,144.29	
	Minnesota	119,403		$ 25,167.38	$ 33,827.31	$ 33,827.31	$ 33,827.31	$ 33,827.31	
	Ohio	244,201		$ 51,471.90	$ 69,183.05	$ 69,183.05	$ 69,183.05	$ 69,183.05	
	Wisconsin	105,504		$ 22,237.79	$ 29,889.67	$ 29,889.67	$ 29,889.67	$ 29,889.67	
		1,116,016.00	**$ 150,414.35**	**$ 235,230.26**	**$ 316,171.45**	**$ 316,171.45**	**$ 316,171.45**	**$ 316,171.45**	**$ 1,650,330.42**
Mountain Plains	South Dakota*	17,514	$ 150,414.35	$ 3,691.54	$ 4,961.78	$ 4,961.78	$ 4,961.78	$ 4,961.78	
	Kansas	62,850		$ 13,247.32	$ 17,805.64	$ 17,805.64	$ 17,805.64	$ 17,805.64	
	North Dakota	11,481		$ 2,419.93	$ 3,252.61	$ 3,252.61	$ 3,252.61	$ 3,252.61	
	Colorado	90,733		$ 19,124.41	$ 25,704.99	$ 25,704.99	$ 25,704.99	$ 25,704.99	
	Cheyenne River Sioux, SD	748		$ 157.66	$ 211.91	$ 211.91	$ 211.91	$ 211.91	
	Iowa	63,481		$ 13,380.32	$ 17,984.40	$ 17,984.40	$ 17,984.40	$ 17,984.40	
	Montana	18,476		$ 3,894.31	$ 5,234.32	$ 5,234.32	$ 5,234.32	$ 5,234.32	
	Nebraska	36,960		$ 7,790.31	$ 10,470.90	$ 10,470.90	$ 10,470.90	$ 10,470.90	
	Rosebud Sioux, SD	1,211		$ 255.25	$ 343.08	$ 343.08	$ 343.08	$ 343.08	
	Missouri	134,780		$ 28,408.49	$ 38,183.67	$ 38,183.67	$ 38,183.67	$ 38,183.67	
	Standing Rock Sioux Tribe, ND	723		$ 152.39	$ 204.83	$ 204.83	$ 204.83	$ 204.83	
	Three Affiliated Tribes, ND	212		$ 44.68	$ 60.06	$ 60.06	$ 60.06	$ 60.06	
	Utah	58,995		$ 12,434.78	$ 16,713.50	$ 16,713.50	$ 16,713.50	$ 16,713.50	
	Wyoming	10,414		$ 2,195.03	$ 2,950.32	$ 2,950.32	$ 2,950.32	$ 2,950.32	
		182,578.00	**$ 150,414.35**	**$ 107,196.43**	**$ 144,082.03**	**$ 144,082.03**	**$ 144,082.03**	**$ 144,082.03**	**$ 833,938.88**

Page 1 Page 2

- As the number of States/Region increase, the Cost per Case goes down proportionately.
- Note; the year 1 data center cost is partially covered during start up cost.

Process for Participating States

- MOU/Agreement
- Designate a contact person/data coordinator/System User
- UAT

MOU/ Data Sharing Agreement

State of Michigan

Michigan Department of Health and Human Services, Women, Infant and Children Program

Data Sharing Agreement

I. **PARTIES:**

This Data Sharing Agreement (DSA) is made and entered into by and between the Michigan Department of Health and Human Services, Women, Infant and Children (WIC) Program located at 320 S. Walnut Street, Lansing, Michigan 48913 and Three Sigma Software Incorporated located at 7901 Sandy Spring Road, Laurel, Maryland 20707

II. **PROJECT TITLE:**

WIC Pregnancy and Pediatric Nutrition Surveillance System (WIC PNSS & PedNSS System)

III. **PURPOSE OF AGREEMENT:**

As of 09/30/2012 the CDC no longer produces the PNSS & PedNSS reports. As a result, a vital program planning and evaluation data source has been lost which provided health outcome data for informed policy and activity development and to improve services for WIC clients. The State of Michigan has completed a project to replicate the CDC PNSS & PedNSS creating a national model for State Agencies (the MI-PNSS & PedNSS system).

Three Sigma Agreement letter

PNSS & PEDNSS Processing AGREEMENT

This agreement establishes the terms and conditions under which [Your State WIC Program] and 3 Sigma Software process PNSS & PEDNSS extract files.

1. **Purpose.**
   As of 09/30/2012 the CDC no longer produces the PNSS & PedNSS reports. As a result, a vital program planning and evaluation data source has been lost which provided health outcome data for informed policy and activity development and to improve services for WIC clients. The State of Michigan has completed a project to replicate the CDC PNSS & PedNSS creating a national model for State Agencies (the WIC-PNSS & PedNSS system).
   Part of the analytical power provided by the PNSS & PedNSS reports included the ability to compare PNSS & PedNSS data across State Agencies using standardized data definitions and extraction process. The WIC-PNSS & PedNSS has been successfully piloted to include the 6 MWR States and Hawaii. Three Sigma Software Incorporated is under contract to maintain and enhance the WIC-PNSS & PedNSS system while facilitating State Agency data submission from multiple different USDA regions.
   The purpose of this agreement is to allow 3 Sigma Software to collect data to continue to supply the analysis and reports to the WIC Program that was previously provided by the CDC Pregnancy Nutrition Surveillance System (PNSS) and Pediatric Nutrition Surveillance System (PedNSS).

2. **Description of Data.** "Data" includes Pregnancy Nutrition Surveillance System (PNSS) indicators including Demographic Variables, Prenatal Behaviors, Birth Outcome, and Infant Feeding Practices.

Process for Participating States

- Data coordinator: Request WIC Directors to designate one data coordinator for their state.
- This person would be able to access WIC-PNSS & PedNSS Application.
- Responsible for uploading extracts, submission to Master, reviewing summary reports.

File Submission

- A maximum of two users from each state is allowed to access the application and will need to request access.

- Once access is set up, the data coordinator will be able to upload data files to the WIC-PNSS & PedNSS Application.

- The uploaded files are processed and data quality report is generated. An email will be sent once this is ready.

- The data coordinator has the option to review the data quality and make corrections/adjustments or submit the files to Master.

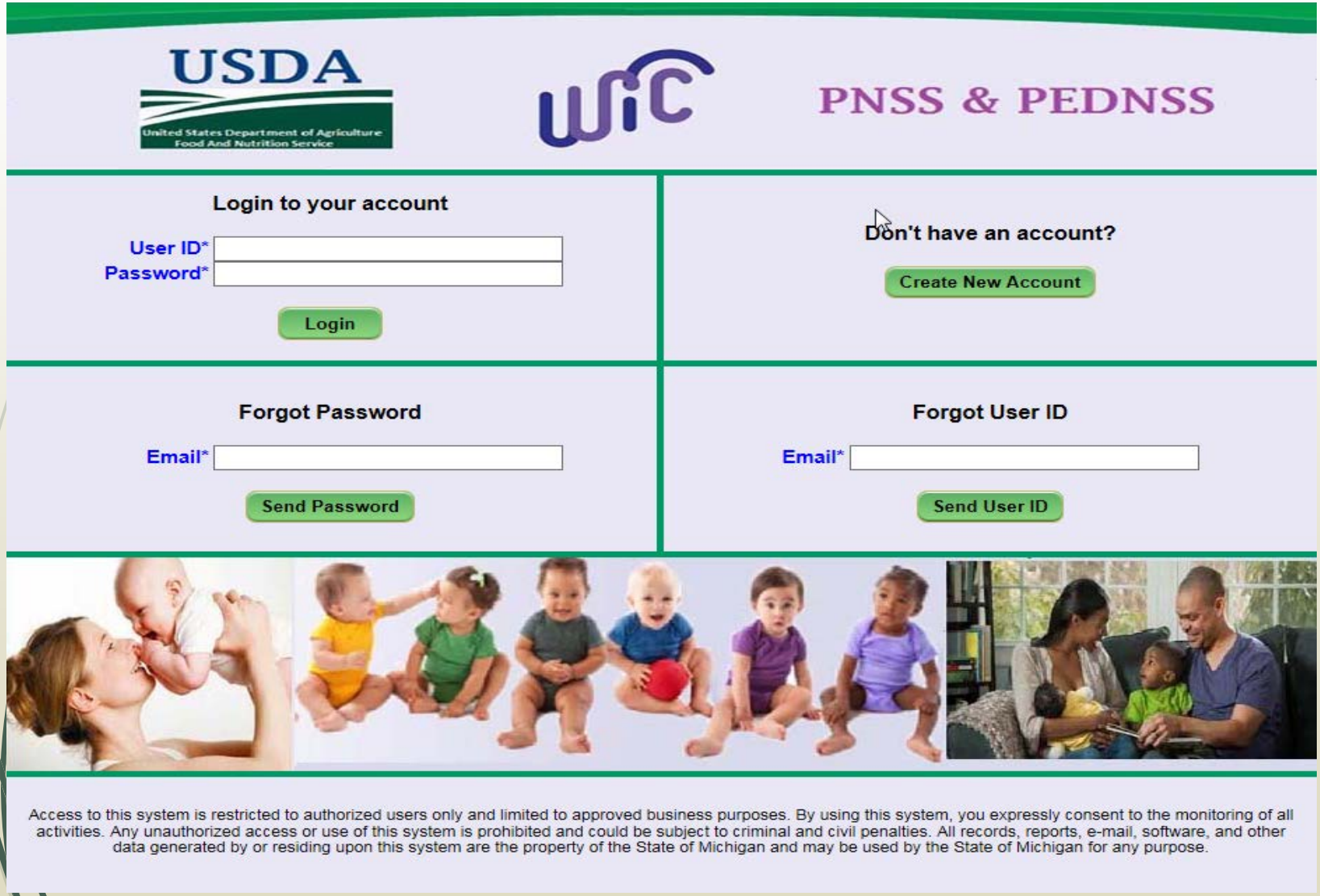
- Upon submission to Master, the files are processed automatically and report is generated

UAT Process

- The data coordinator will be responsible to review the report by comparing it with the last CDC generated report (year 2011) and ensure accuracy.

- Any discrepancies will be conveyed to Michigan and Three Sigma for fixing.

WIC-PNSS & PedNSS



USDA
United States Department of Agriculture
Food And Nutrition Service

WIC

PNSS & PEDNSS

New User Request

User ID*:

Password*:

First Name*:

Last Name*:

Email*:

Phone*:

State Agency*:

Supervisor*:

Save Cancel

Access to this system is restricted to authorized users only and limited to approved business purposes. By using this system, you expressly consent to the monitoring of all activities. Any unauthorized access or use of this system is prohibited and could be subject to criminal and civil penalties. All records, reports, e-mail, software, and other data generated by or residing upon this system are the property of the State of Michigan and may be used by the State of Michigan for any purpose.

USDA
United States Department of Agriculture
Food And Nutrition Service

WIC

PNSS & PEDNSS

ADMIN

STATE

CHANGE PASSWORD

Many documents on this site are PDF files which require the use of the free Adobe Acrobat Reader.

Get Adobe Reader

PNSS and PEDNSS - State:

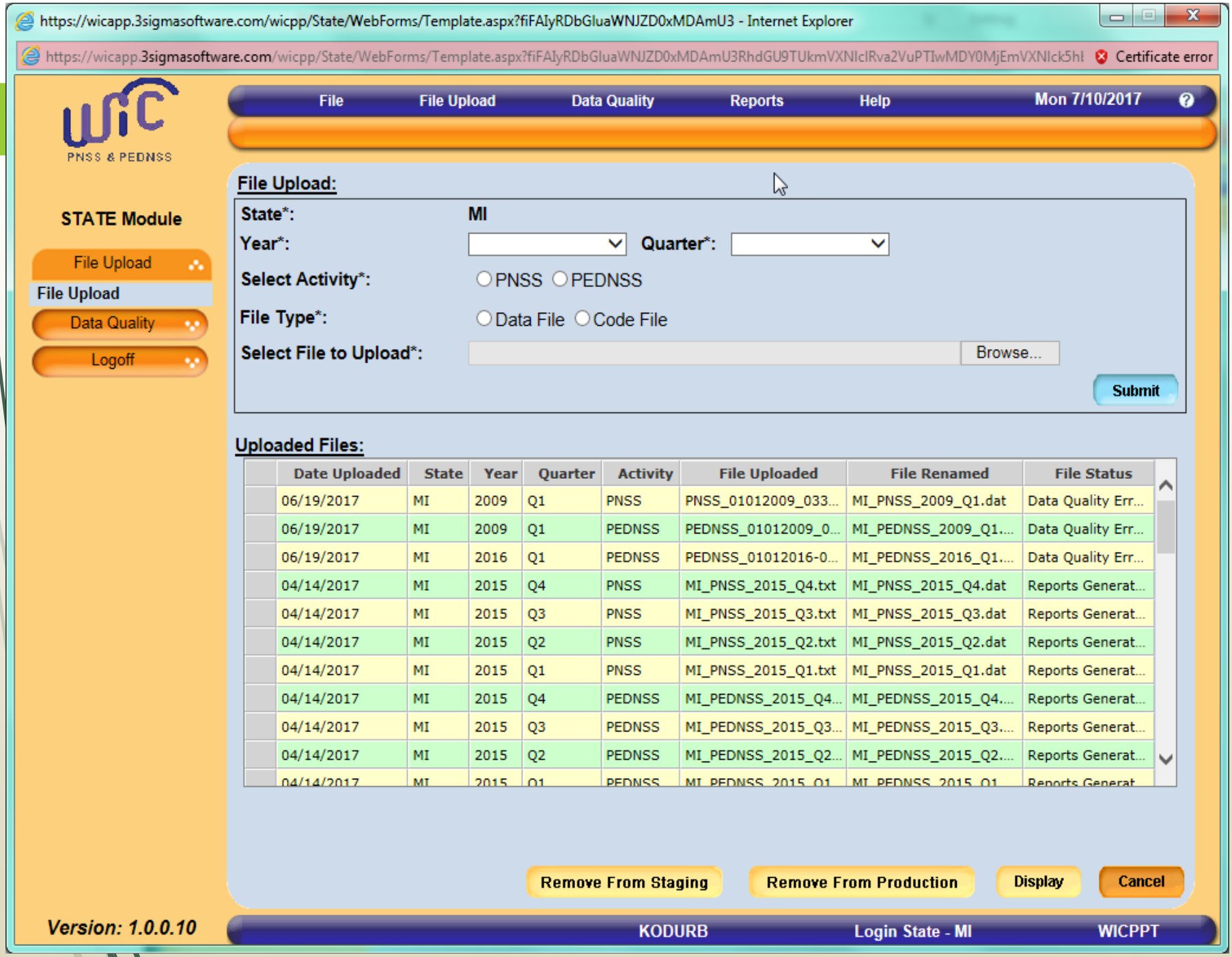
- Administrator
- PNSS AND PEDNSS - Ute Mountain Ute Tribe
- PNSS AND PEDNSS - Omaha Nation WIC Program
- PNSS AND PEDNSS - Santee Sioux Nation WIC Program
- PNSS AND PEDNSS - Winnebago Tribe WIC Program
- PNSS AND PEDNSS - Standing Rock Sioux Tribe
- PNSS AND PEDNSS - Three Affiliated Tribes
- PNSS AND PEDNSS - Cheyenne River Sioux Tribe
- PNSS AND PEDNSS - Rosebud Sioux Tribe
- PNSS AND PEDNSS - Eastern Shoshone WIC Program
- PNSS AND PEDNSS - Northern Arapaho Tribal WIC Program
- PNSS AND PEDNSS - CO
- PNSS AND PEDNSS - IA
- PNSS AND PEDNSS - KS
- PNSS AND PEDNSS - MO
- PNSS AND PEDNSS - MT
- PNSS AND PEDNSS - NE
- PNSS AND PEDNSS - ND
- PNSS AND PEDNSS - SD
- PNSS AND PEDNSS - UT
- PNSS AND PEDNSS - WY
- PNSS AND PEDNSS - TX
- PNSS AND PEDNSS - MI
- PNSS AND PEDNSS - ME
- PNSS AND PEDNSS - FL
- PNSS AND PEDNSS - HI
- PNSS AND PEDNSS - IL
- PNSS AND PEDNSS - WI
- PNSS AND PEDNSS - OH

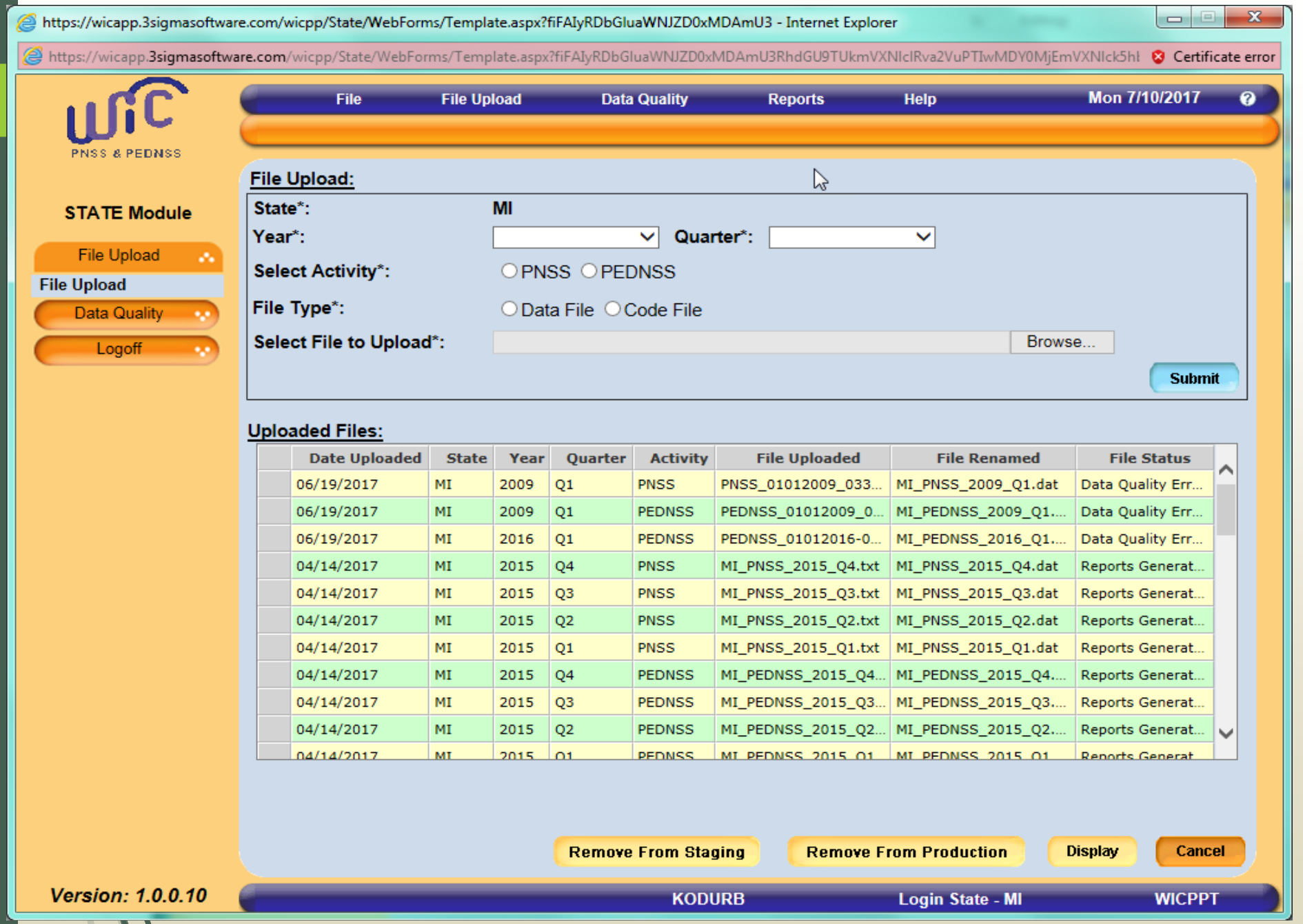
NOTES & ALERTS

Login User: kodurb

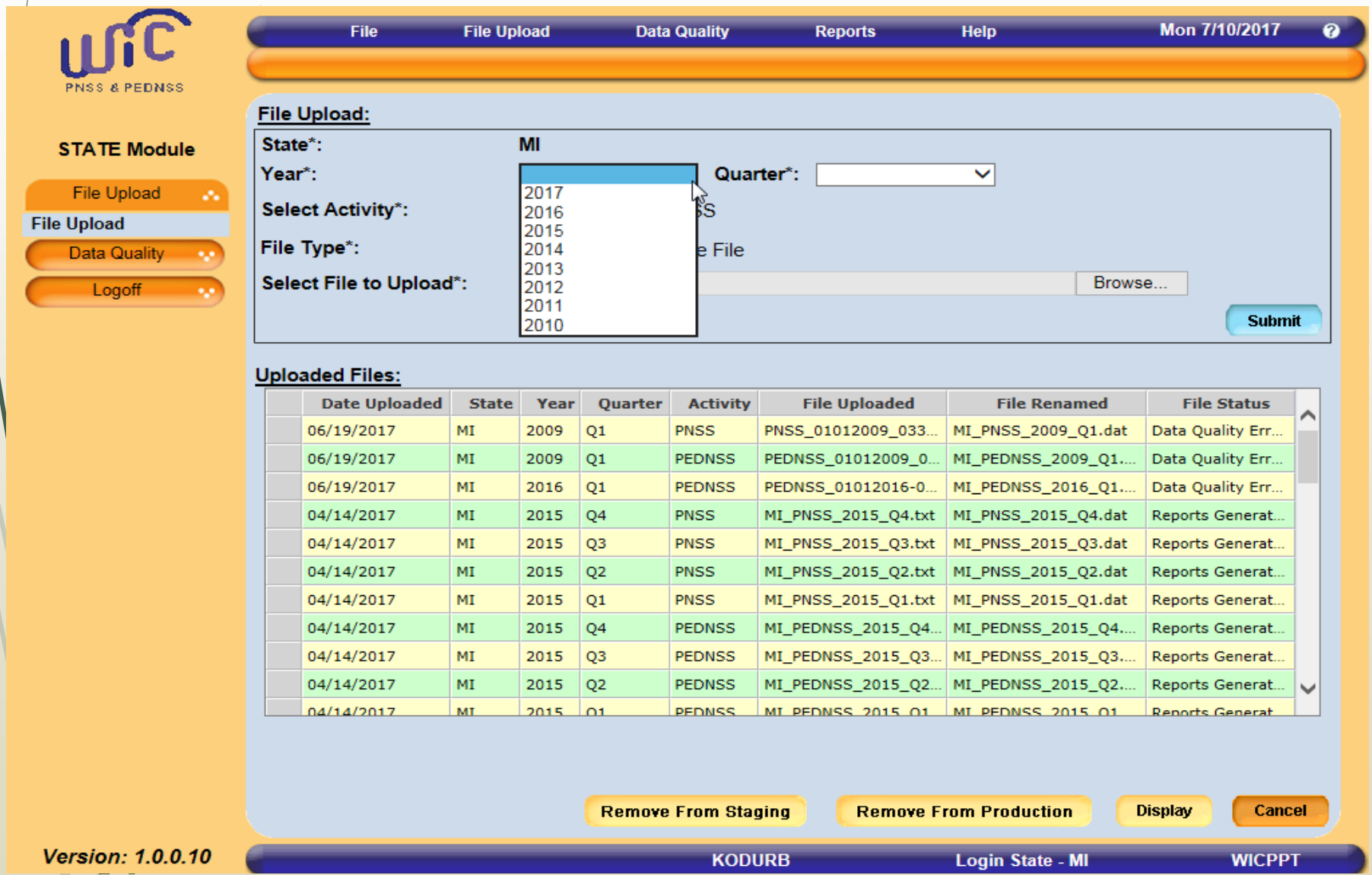
APP Server-2

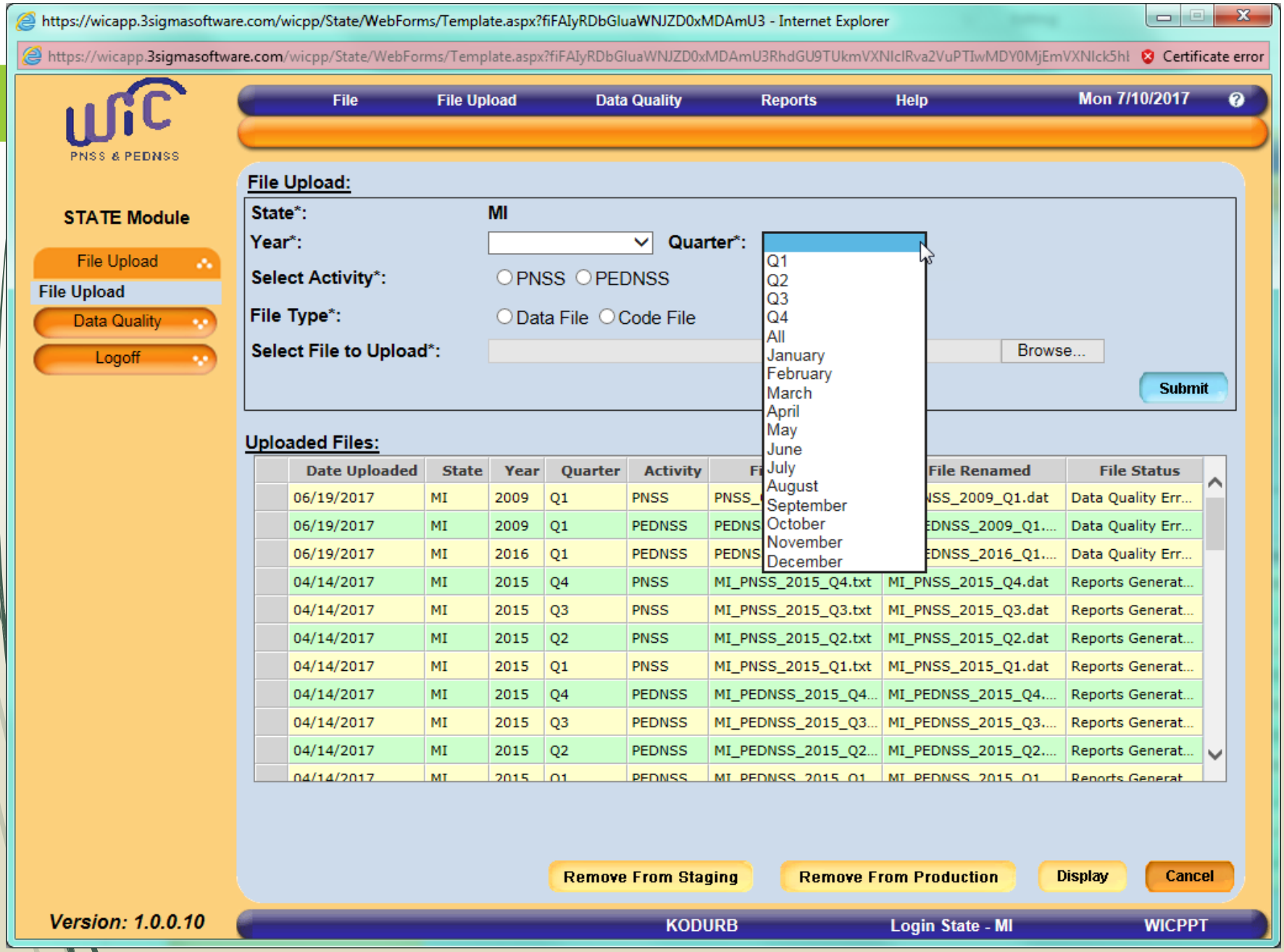
Access to this system is restricted to authorized users only and limited to approved business purposes. By using this system, you expressly consent to the monitoring of all activities. Any unauthorized access or use of this system is prohibited and could be subject to criminal and civil penalties. All records, reports, e-mail, software, and other data generated by or residing upon this system are the property of the State of Michigan and may be used by the State of Michigan for any purpose.


https://wicapp.3sigmasoftware.com/wicpp/State/WebForms/Template.aspx?fiFAIyRDbGluaWNJZD0xMDAmU3 - Internet Explorer
https://wicapp.3sigmasoftware.com/wicpp/State/WebForms/Template.aspx?fiFAIyRDbGluaWNJZD0xMDAmU3RhdGU9TUkmVXNIcIRva2VuPTIwMDY0MjEmVXNIck5hI
Certificate error
PNSS & PEDNSS
File
File Upload
Data Quality
Reports
Help
Mon 7/10/2017
STATE Module
File Upload
File Upload
Data Quality
Logoff
File Upload:
State*: MI
Year*:
Quarter*:
Select Activity*: PNSS PEDNSS
File Type*: Data File Code File
Select File to Upload*:
Browse...
Submit
Uploaded Files:
Date Uploaded | State | Year | Quarter | Activity | File Uploaded | File Renamed | File Status
06/19/2017 | MI | 2009 | Q1 | PNSS | PNSS_01012009_033... | MI_PNSS_2009_Q1.dat | Data Quality Err...
06/19/2017 | MI | 2009 | Q1 | PEDNSS | PEDNSS_01012009_0... | MI_PEDNSS_2009_Q1.... | Data Quality Err...
06/19/2017 | MI | 2016 | Q1 | PEDNSS | PEDNSS_01012016-0... | MI_PEDNSS_2016_Q1.... | Data Quality Err...
04/14/2017 | MI | 2015 | Q4 | PNSS | MI_PNSS_2015_Q4.txt | MI_PNSS_2015_Q4.dat | Reports Generat...
04/14/2017 | MI | 2015 | Q3 | PNSS | MI_PNSS_2015_Q3.txt | MI_PNSS_2015_Q3.dat | Reports Generat...
04/14/2017 | MI | 2015 | Q2 | PNSS | MI_PNSS_2015_Q2.txt | MI_PNSS_2015_Q2.dat | Reports Generat...
04/14/2017 | MI | 2015 | Q1 | PNSS | MI_PNSS_2015_Q1.txt | MI_PNSS_2015_Q1.dat | Reports Generat...
04/14/2017 | MI | 2015 | Q4 | PEDNSS | MI_PEDNSS_2015_Q4... | MI_PEDNSS_2015_Q4.... | Reports Generat...
04/14/2017 | MI | 2015 | Q3 | PEDNSS | MI_PEDNSS_2015_Q3... | MI_PEDNSS_2015_Q3.... | Reports Generat...
04/14/2017 | MI | 2015 | Q2 | PEDNSS | MI_PEDNSS_2015_Q2... | MI_PEDNSS_2015_Q2.... | Reports Generat...
Remove From Staging
Remove From Production
Display
Cancel
Version: 1.0.0.10
KODURB
Login State - MI
WICPPT

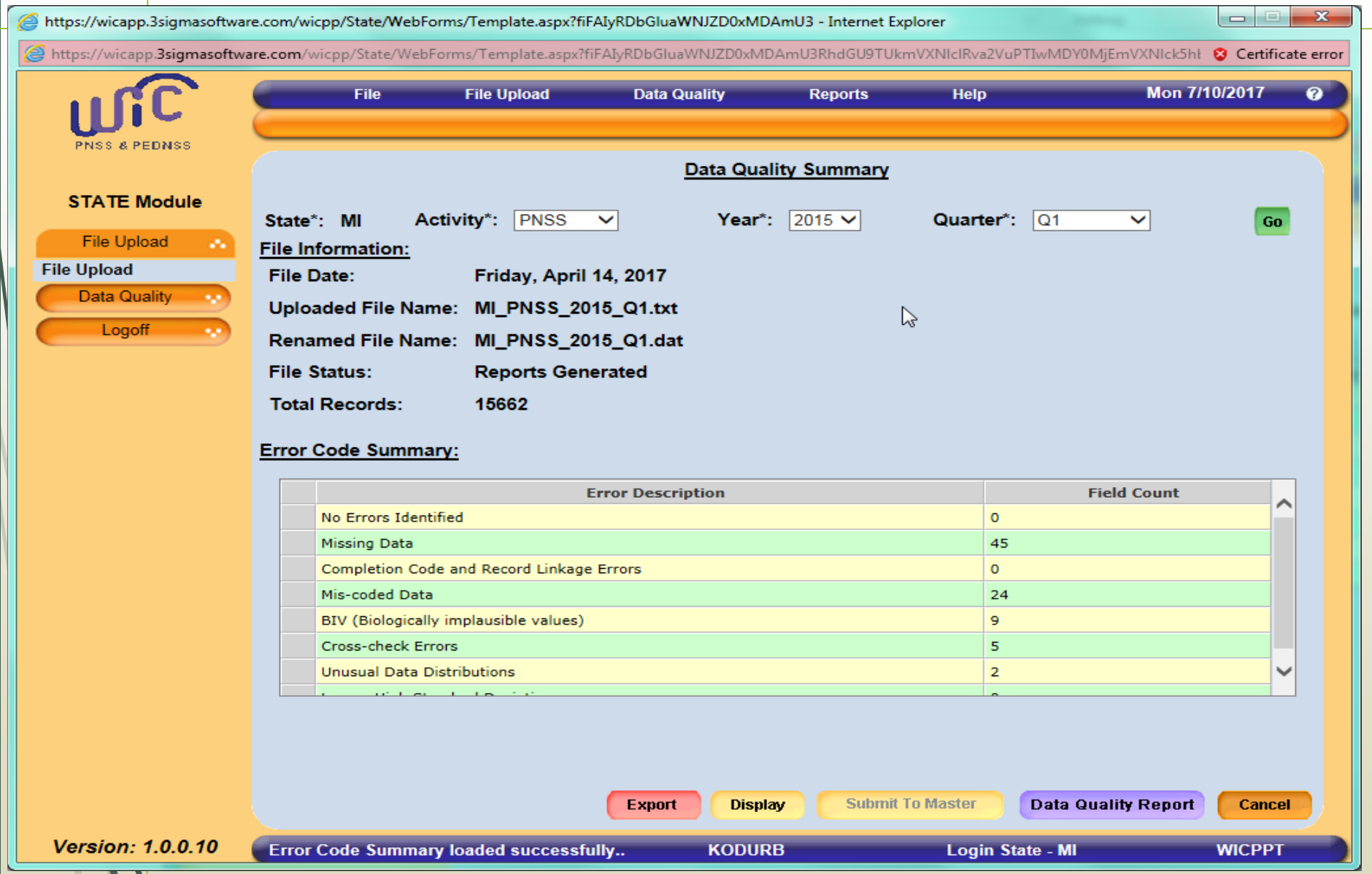

https://wicapp.3sigmasoftware.com/wicpp/State/WebForms/Template.aspx?fiFAIyRDbGluaWNJZD0xMDAmU3 - Internet Explorer
https://wicapp.3sigmasoftware.com/wicpp/State/WebForms/Template.aspx?fiFAIyRDbGluaWNJZD0xMDAmU3RhdGU9TUkmVXNlcIRva2VuPTIwMDY0MjEmVXNlck5hI
Certificate error
PNSS & PEDNSS
File
File Upload
Data Quality
Reports
Help
Mon 7/10/2017
STATE Module
File Upload
File Upload
Data Quality
Logoff
File Upload:
State*: MI
Year*:
Quarter*:
Select Activity*: PNSS PEDNSS
File Type*: Data File Code File
Select File to Upload*:
Browse...
Submit
Uploaded Files:
Date Uploaded | State | Year | Quarter | Activity | File Uploaded | File Renamed | File Status
06/19/2017 | MI | 2009 | Q1 | PNSS | PNSS_01012009_033... | MI_PNSS_2009_Q1.dat | Data Quality Err...
06/19/2017 | MI | 2009 | Q1 | PEDNSS | PEDNSS_01012009_0... | MI_PEDNSS_2009_Q1.... | Data Quality Err...
06/19/2017 | MI | 2016 | Q1 | PEDNSS | PEDNSS_01012016-0... | MI_PEDNSS_2016_Q1.... | Data Quality Err...
04/14/2017 | MI | 2015 | Q4 | PNSS | MI_PNSS_2015_Q4.txt | MI_PNSS_2015_Q4.dat | Reports Generat...
04/14/2017 | MI | 2015 | Q3 | PNSS | MI_PNSS_2015_Q3.txt | MI_PNSS_2015_Q3.dat | Reports Generat...
04/14/2017 | MI | 2015 | Q2 | PNSS | MI_PNSS_2015_Q2.txt | MI_PNSS_2015_Q2.dat | Reports Generat...
04/14/2017 | MI | 2015 | Q1 | PNSS | MI_PNSS_2015_Q1.txt | MI_PNSS_2015_Q1.dat | Reports Generat...
04/14/2017 | MI | 2015 | Q4 | PEDNSS | MI_PEDNSS_2015_Q4... | MI_PEDNSS_2015_Q4.... | Reports Generat...
04/14/2017 | MI | 2015 | Q3 | PEDNSS | MI_PEDNSS_2015_Q3... | MI_PEDNSS_2015_Q3.... | Reports Generat...
04/14/2017 | MI | 2015 | Q2 | PEDNSS | MI_PEDNSS_2015_Q2... | MI_PEDNSS_2015_Q2.... | Reports Generat...
Remove From Staging
Remove From Production
Display
Cancel
Version: 1.0.0.10
KODURB
Login State - MI
WICPPT

File Upload

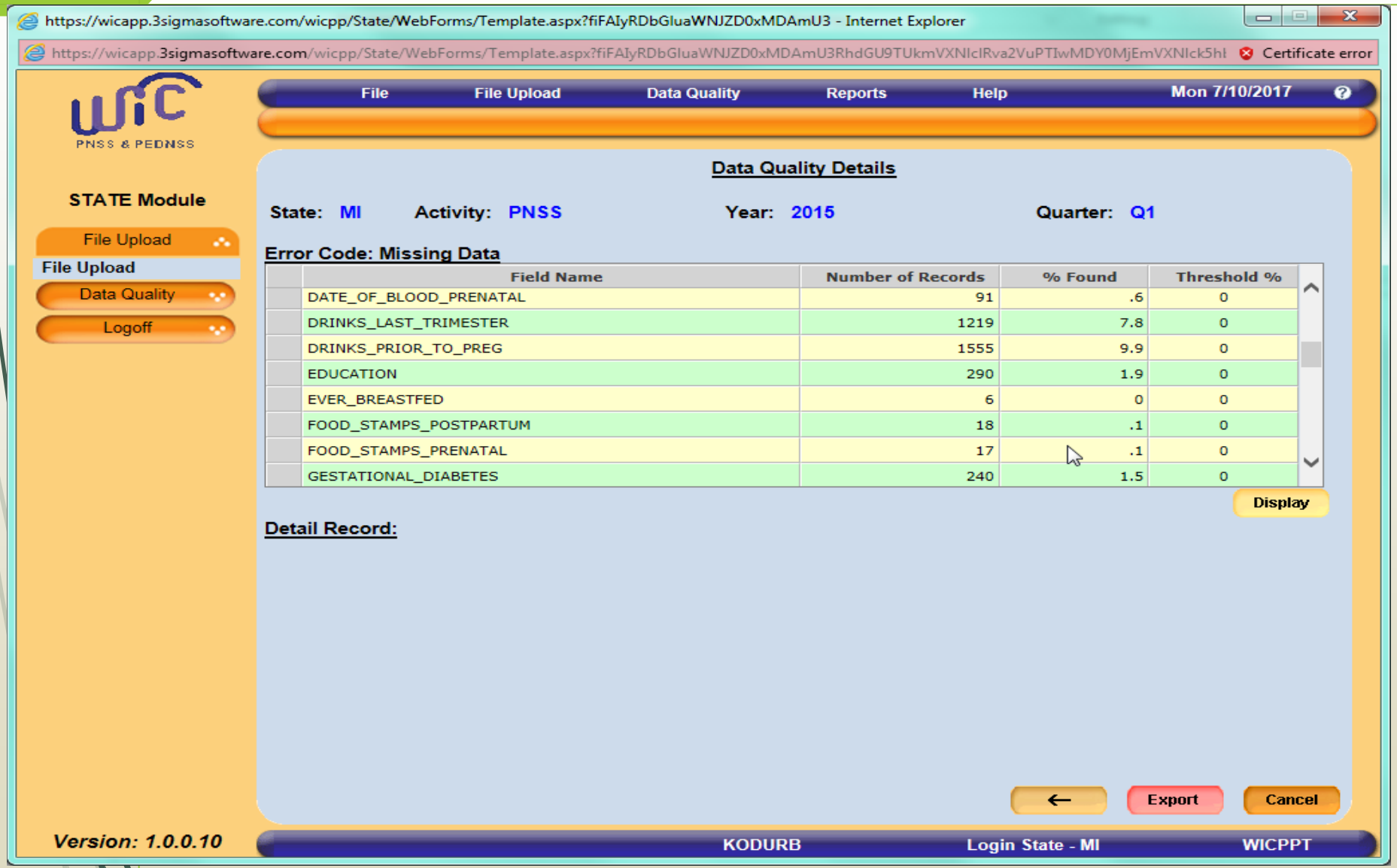

PNSS & PEDNSS
STATE Module
File Upload
File Upload
Data Quality
Logoff
File
File Upload
Data Quality
Reports
Help
Mon 7/10/2017
File Upload:
State*:
MI
Year*:
Quarter*:
2017
2016
2015
2014
2013
2012
2011
2010
Select Activity*:
File Type*:
Select File to Upload*:
Browse...
Submit
Uploaded Files:
Date Uploaded
State
Year
Quarter
Activity
File Uploaded
File Renamed
File Status
06/19/2017 MI 2009 Q1 PNSS PNSS_01012009_033... MI_PNSS_2009_Q1.dat Data Quality Err...
06/19/2017 MI 2009 Q1 PEDNSS PEDNSS_01012009_0... MI_PEDNSS_2009_Q1.... Data Quality Err...
06/19/2017 MI 2016 Q1 PEDNSS PEDNSS_01012016-0... MI_PEDNSS_2016_Q1.... Data Quality Err...
04/14/2017 MI 2015 Q4 PNSS MI_PNSS_2015_Q4.txt MI_PNSS_2015_Q4.dat Reports Generat...
04/14/2017 MI 2015 Q3 PNSS MI_PNSS_2015_Q3.txt MI_PNSS_2015_Q3.dat Reports Generat...
04/14/2017 MI 2015 Q2 PNSS MI_PNSS_2015_Q2.txt MI_PNSS_2015_Q2.dat Reports Generat...
04/14/2017 MI 2015 Q1 PNSS MI_PNSS_2015_Q1.txt MI_PNSS_2015_Q1.dat Reports Generat...
04/14/2017 MI 2015 Q4 PEDNSS MI_PEDNSS_2015_Q4... MI_PEDNSS_2015_Q4.... Reports Generat...
04/14/2017 MI 2015 Q3 PEDNSS MI_PEDNSS_2015_Q3... MI_PEDNSS_2015_Q3.... Reports Generat...
04/14/2017 MI 2015 Q2 PEDNSS MI_PEDNSS_2015_Q2... MI_PEDNSS_2015_Q2.... Reports Generat...
Remove From Staging
Remove From Production
Display
Cancel
Version: 1.0.0.10
KODURB
Login State - MI
WICPPT


https://wicapp.3sigmasoftware.com/wicpp/State/WebForms/Template.aspx?fiFAIyRDbGluaWNJZD0xMDAmU3 - Internet Explorer
Certificate error
PNSS & PEDNSS
File
File Upload
Data Quality
Reports
Help
Mon 7/10/2017
STATE Module
File Upload
File Upload
Data Quality
Logoff
File Upload:
State*:
MI
Year*:
Quarter*:
Select Activity*:
PNSS
PEDNSS
File Type*:
Data File
Code File
Select File to Upload*:
Browse...
Submit
Q1
Q2
Q3
Q4
All
January
February
March
April
May
June
July
August
September
October
November
December
Uploaded Files:
Date Uploaded
State
Year
Quarter
Activity
File Renamed
File Status
06/19/2017 MI 2009 Q1 PNSS Data Quality Err...
06/19/2017 MI 2009 Q1 PEDNSS Data Quality Err...
06/19/2017 MI 2016 Q1 PEDNSS Data Quality Err...
04/14/2017 MI 2015 Q4 PNSS MI_PNSS_2015_Q4.txt MI_PNSS_2015_Q4.dat Reports Generat...
04/14/2017 MI 2015 Q3 PNSS MI_PNSS_2015_Q3.txt MI_PNSS_2015_Q3.dat Reports Generat...
04/14/2017 MI 2015 Q2 PNSS MI_PNSS_2015_Q2.txt MI_PNSS_2015_Q2.dat Reports Generat...
04/14/2017 MI 2015 Q1 PNSS MI_PNSS_2015_Q1.txt MI_PNSS_2015_Q1.dat Reports Generat...
04/14/2017 MI 2015 Q4 PEDNSS MI_PEDNSS_2015_Q4... MI_PEDNSS_2015_Q4.... Reports Generat...
04/14/2017 MI 2015 Q3 PEDNSS MI_PEDNSS_2015_Q3... MI_PEDNSS_2015_Q3.... Reports Generat...
04/14/2017 MI 2015 Q2 PEDNSS MI_PEDNSS_2015_Q2... MI_PEDNSS_2015_Q2.... Reports Generat...
Remove From Staging
Remove From Production
Display
Cancel
Version: 1.0.0.10
KODURB
Login State - MI
WICPPT

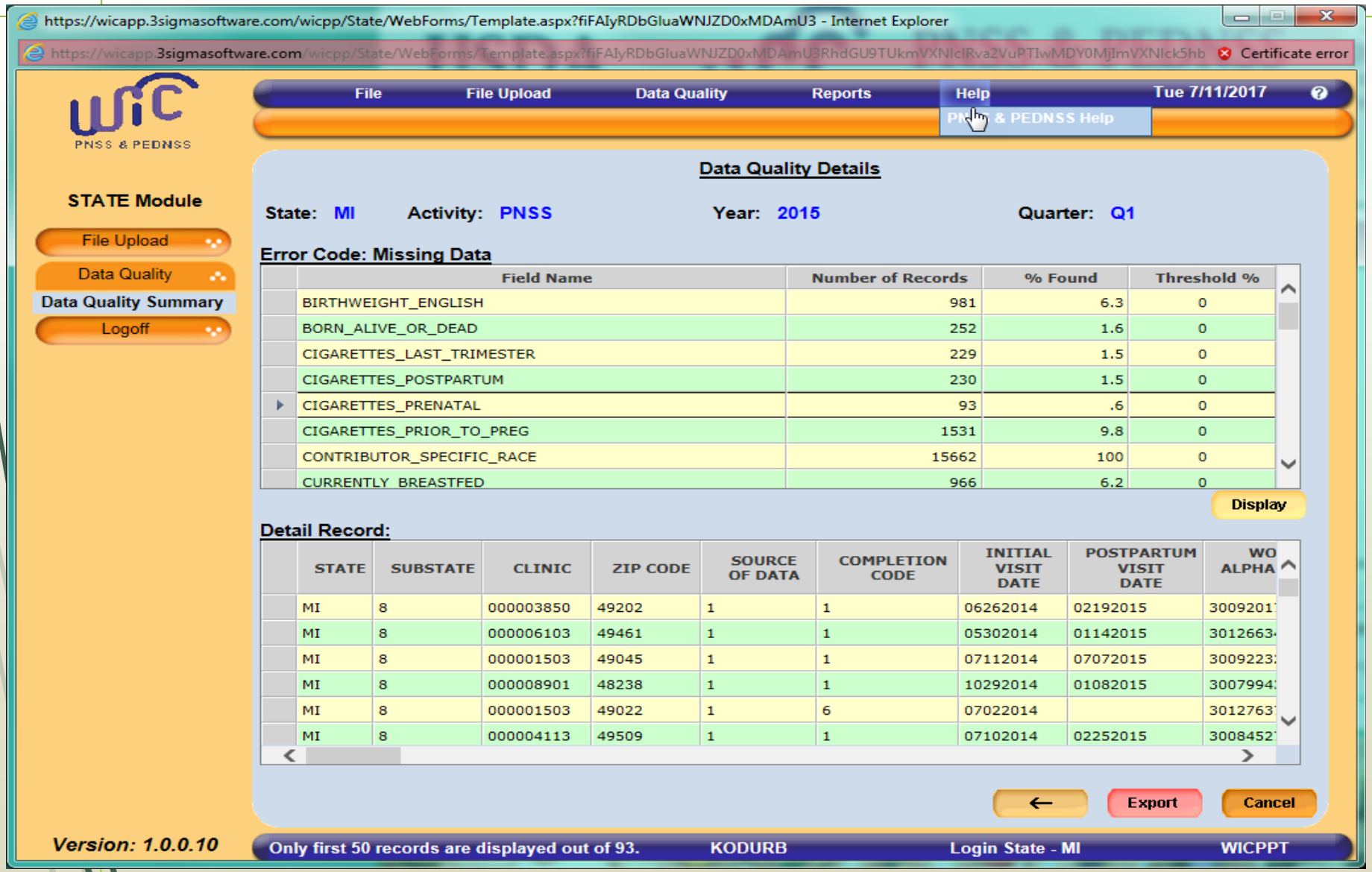
Data Quality Summary



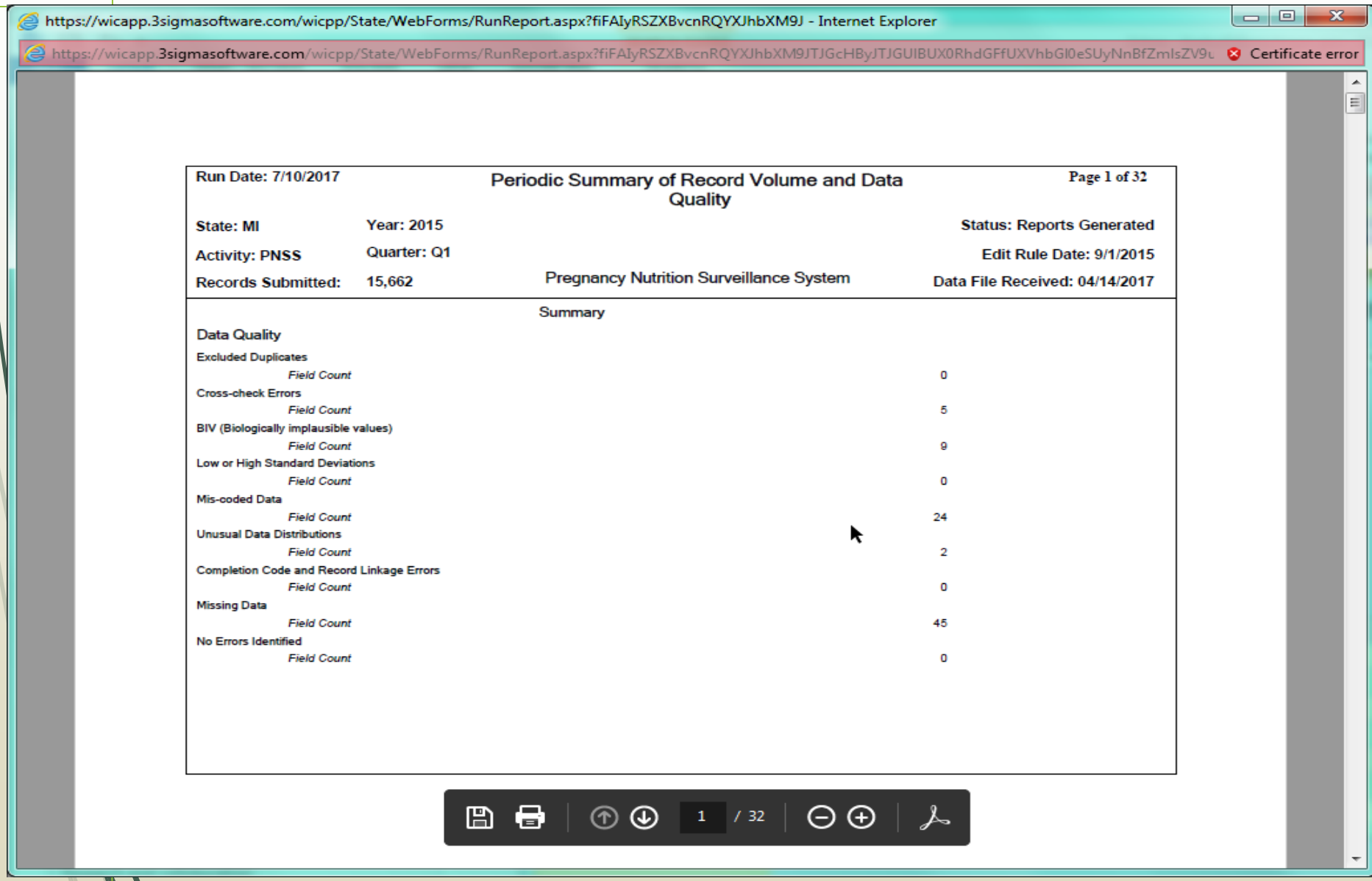
Data Quality Summary



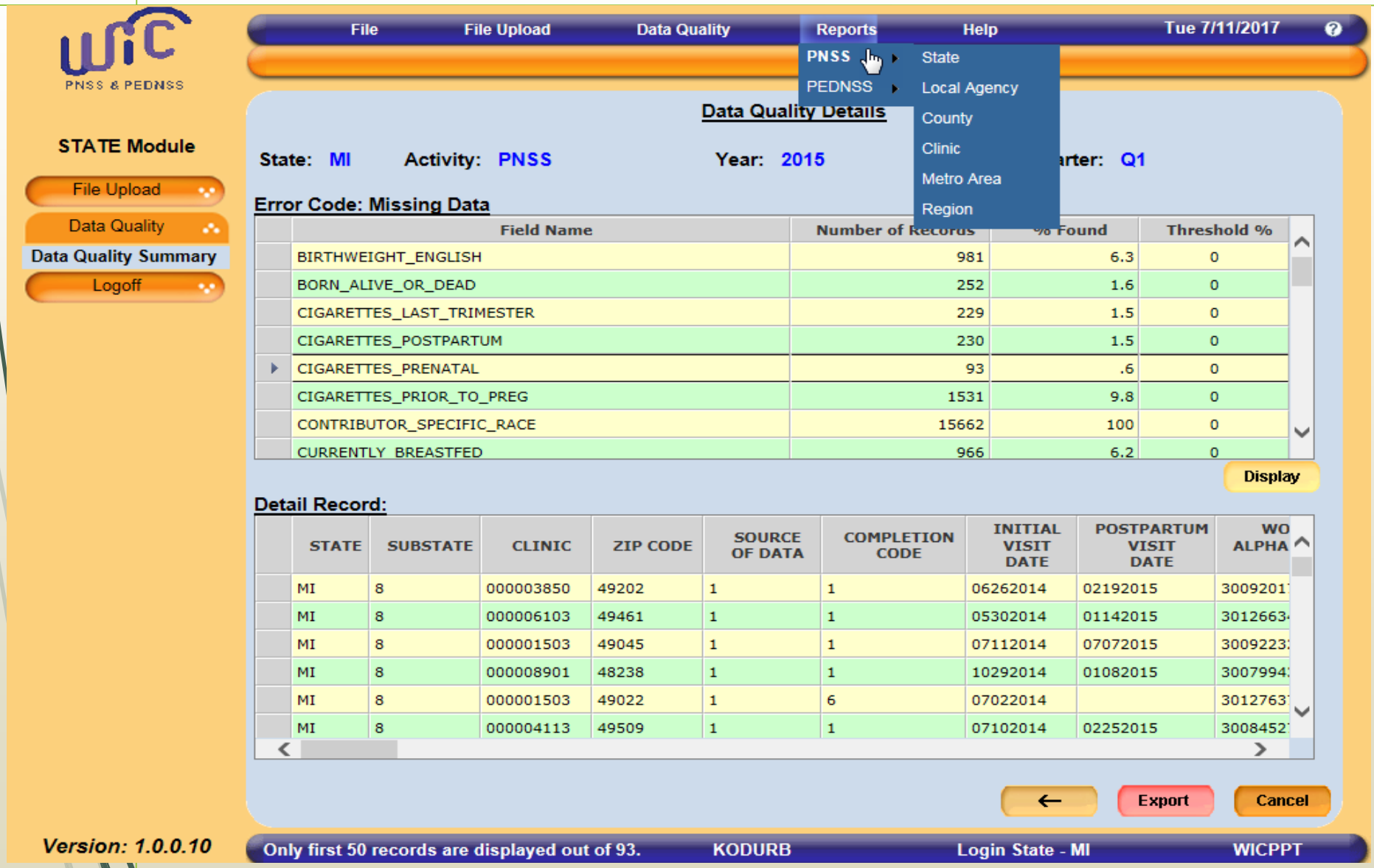
Data Quality Details



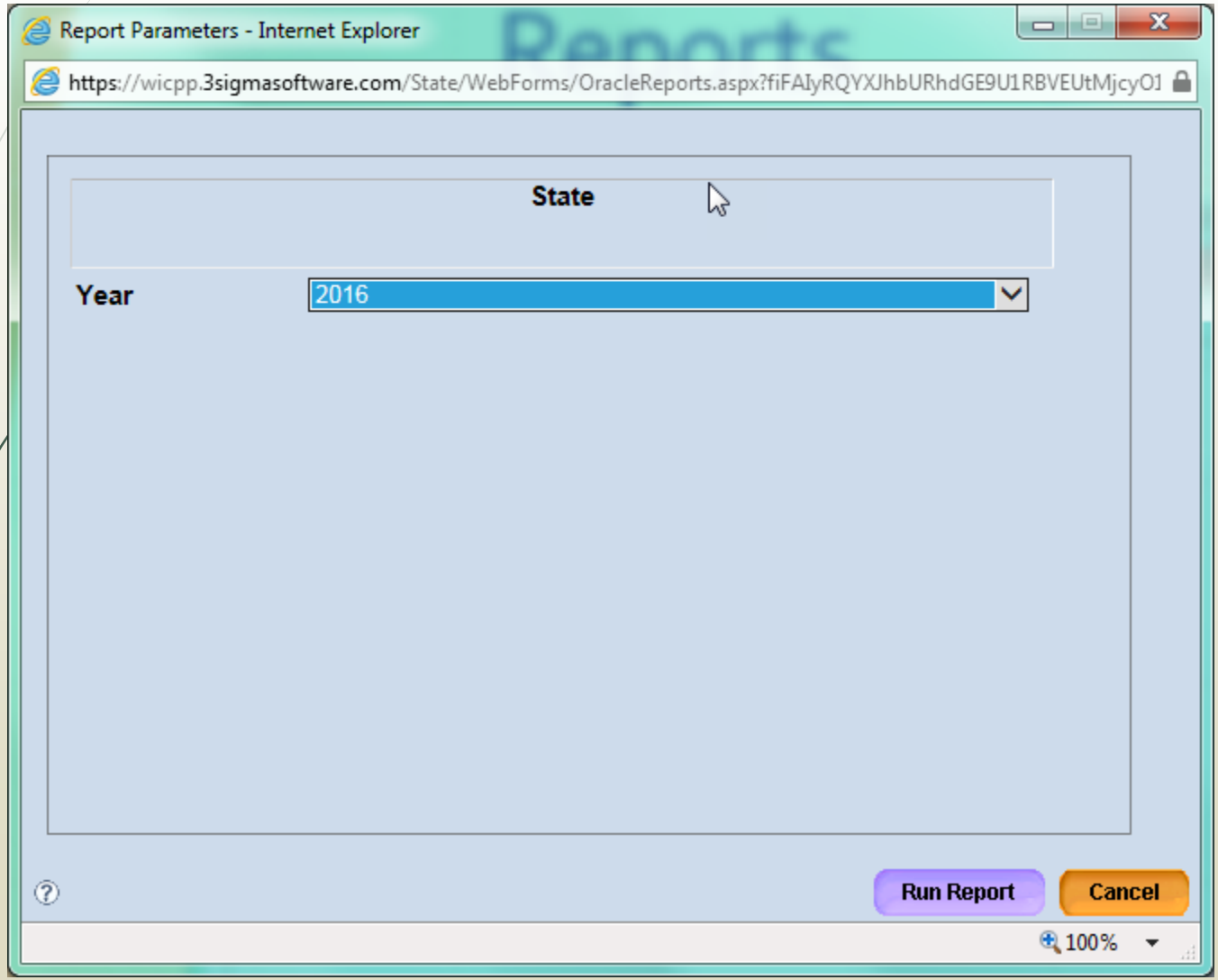
Data Quality Report



Reports


PNSS & PEDNSS
STATE Module
File Upload
Data Quality
Data Quality Summary
Logoff
File
File Upload
Data Quality
Reports
Help
Tue 7/11/2017
PNSS
PEDNSS
State
Local Agency
County
Clinic
Metro Area
Region
Data Quality Details
State: MI
Activity: PNSS
Year: 2015
arter: Q1
Error Code: Missing Data
Field Name
Number of Records
% Found
Threshold %
BIRTHWEIGHT_ENGLISH 981 6.3 0
BORN_ALIVE_OR_DEAD 252 1.6 0
CIGARETTES_LAST_TRIMESTER 229 1.5 0
CIGARETTES_POSTPARTUM 230 1.5 0
CIGARETTES_PRENATAL 93 .6 0
CIGARETTES_PRIOR_TO_PREG 1531 9.8 0
CONTRIBUTOR_SPECIFIC_RACE 15662 100 0
CURRENTLY_BREASTFED 966 6.2 0
Display
Detail Record:
STATE
SUBSTATE
CLINIC
ZIP CODE
SOURCE OF DATA
COMPLETION CODE
INITIAL VISIT DATE
POSTPARTUM VISIT DATE
WO ALPHA
MI 8 000003850 49202 1 1 06262014 02192015
MI 8 000006103 49461 1 1 05302014 01142015
MI 8 000001503 49045 1 1 07112014 07072015
MI 8 000008901 48238 1 1 10292014 01082015
MI 8 000001503 49022 1 6 07022014
MI 8 000004113 49509 1 1 07102014 02252015
Export
Cancel
Version: 1.0.0.10
Only first 50 records are displayed out of 93.
KODURB
Login State - MI
WICPPT

Reports


Report Parameters - Internet Explorer
https://wicpp.3sigmasoftware.com/State/WebForms/OracleReports.aspx?fiFAIyRQYXJhbURhdGE9U1RBVEUtMjcyO1
State
Year
2016
Run Report
Cancel
100%

Reports – Michigan PNSS 2016

Table 1C
2016 Pregnancy Nutrition Surveillance (1)
Michigan
Summary of Demographic Indicators (2)

Run Date: 04/05/2017

Total Records	Number	%
Complete Records	43,038	71.6
Prenatal Records	3,964	6.6
Postpartum Records	13,141	21.8
Total Records Accepted	**60,143**	

Source of Data	Number	%
WIC	60,143	100.0
Maternal Health	0	0.0
Other	0	0.0
Total	**60,143**	**100.0**
Excluded Unknown: 0 0.0		

Race/Ethnic Distribution	Number	%
White, Not Hispanic	32,209	53.8
Black, Not Hispanic	17,396	29.1
Hispanic	6,378	10.7
American Indian/Alaska Native	183	0.3
Asian/Pacific Islander	1,258	2.1
Multiple Races	2,389	4.0
All Other	0	0.0
Total	**59,813**	**100.0**
Excluded Unknown: 326 0.5		

Age Distribution	Number	%
< 15 Years	87	0.1
15 - 17 Years	1,811	3.0
18 - 19 Years	4,737	7.9
20 - 29 Years	38,125	63.5
30 - 39 Years	14,232	23.7
>= 40 Years	1,063	1.8
Total	**60,055**	**100.0**
Excluded Unknown: 88 0.1		

Education Distribution	Number	%
> High School	18,503	31.3
High School	26,502	44.9
< High School	14,048	23.8
Total	**59,053**	**100.0**
Excluded Unknown: 1,090 1.8		

Poverty Level	Number	%
0 - 50	17,678	37.7
51 - 100	12,931	27.5
101 - 130	5,653	12.0
131 - 150	2,814	6.0
151 - 185	3,715	7.9
186 - 200	1,063	2.3
> 200	2,812	6.0

Program Participation (3)	Number	%
WIC	47,002	100.0
SNAP	46,950	50.1
Medicaid	46,932	88.4
Tanf	46,975	5.7
Excluded Unknown:		
WIC:	0	0.0
SNAP:	0	0.0

Migrant Status	Number	%
Yes	514	0.9
No	59,629	99.1
Total	**60,143**	**100.0**
Excluded Unknown: 0 0.0		

PNSS Behavioral Indicators

Table 2C

2016 Pregnancy Nutrition Surveillance (1)

Michigan

Summary of Health Indicators

Run Date: 04/05/2017

Summary of Health Indicators (2)	Michigan Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Medical Care				
1st Trimester	54,902	82.2	107,398	79.6
No Care	54,902	8.4	107,398	11.2
WIC Enrollment				
1st Trimester	59,192	32.4	128,068	32.1
2nd Trimester	59,192	29.7	128,068	29.4
3rd Trimester	59,192	16.9	128,068	20.3
Postpartum (3)	59,192	21.1	128,068	18.3
Prepregnancy Multivitamin Consumption (4)	46,023	20.1	101,348	18.4
Multivitamin Consumption During Pregnancy (5)	46,578	87.4	98,273	87.7
Smoking				
3 Months Prior to Pregnancy	53,738	28.6	137,210	28.8
During Pregnancy	46,609	16.9	114,082	20.6
Last 3 Months of Pregnancy	55,530	15.1	134,524	16.4
Postpartum	55,553	16.0	134,525	17.2
Smoking Changes (6)				
Quit Smoking by First Prenatal Visit	13,947	44.1	34,081	39.5
Quit Smoking by First Prenatal Visit and Stayed Off Cigarettes	12,776	39.3	29,612	36.7
Smoking in Household				
During Pregnancy	46,598	11.9	105,473	16.2
Postpartum	55,576	3.4	126,803	7.8
Drinking				
3 Months Prior to Pregnancy	53,668	18.5	137,016	13.8
Last 3 Months of Pregnancy	55,588	0.5	128,007	0.4

(1) Reporting period is January 1 through December 31
(2) Excludes records with unknown data errors.

Health Indicators by Race/Ethnicity

Table 9C

2016 Pregnancy Nutrition Surveillance (1)

Run Date: 04/05/2017

Michigan

Maternal Health Indicators by Race/Ethnicity, Age, or Education

Maternal Health Indicators by Race/Ethnicity, Age, or Education (2)

	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				Gestational Diabetes		Hypertension During Pregnancy	
		Under-Weight	Over-Weight		< Ideal	>Ideal	3rd Trimester		Postpartum					
	Number	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%
Race/Ethnicity														
White, Not Hispanic	27,427	4.8	55.7	17,582	17.8	52.5	4,843	35.9	7,138	27.3	29,777	6.9	29,804	10.3
Black, Not Hispanic	14,954	3.9	62.3	10,223	19.5	51.9	3,280	59.2	3,002	52.1	16,282	5.5	16,283	13.6
Hispanic	5,372	3.1	62.6	3,323	24.8	44.2	935	45.3	1,157	33.9	5,830	8.9	5,835	8.5
American Indian/Alaska Native	156	3.2	63.5	78	*	*	22	*	42	*	161	8.1	161	12.4
Asian/Pacific Islander	1,003	7.7	37.9	610	30.7	30.7	183	40.4	298	29.9	1,180	14.6	1,181	5.5
Multiple Races	2,084	4.7	58.0	1,318	19.8	54.9	376	41.2	510	35.9	2,225	6.2	2,225	9.7
All Other/Unknown	20	*	*	6	*	*	3	*	7	*	9	*	9	*
Total	**51,019**	**4.4**	**58.1**	**33,141**	**19.4**	**51.2**	**9,642**	**45.1**	**12,155**	**34.6**	**55,467**	**6.8**	**55,501**	**10.9**
Age														
< 15 Years	72	*	*	46	*	*	9	*	6	*	78	*	78	*
15 - 17 Years	1,564	9.3	34.3	992	21.0	48.4	283	50.5	299	48.8	1,663	2.2	1,665	11.1
18 - 19 Years	4,136	7.4	45.0	2,621	19.0	52.7	752	51.7	834	43.8	4,295	2.5	4,291	10.5
20 - 29 Years	32,505	4.5	57.2	21,362	19.0	51.5	6,483	45.0	7,590	35.2	35,292	5.3	35,306	9.9
30 - 39 Years	11,847	2.6	67.5	7,609	19.9	50.6	1,974	42.4	3,171	29.2	13,138	12.2	13,158	13.3
>= 40 Years	833	1.4	72.9	481	26.2	44.7	133	38.3	233	32.2	918	19.1	920	18.2
Unknown	62	*	*	30	*	*	8	*	22	*	83	*	83	*
Total	**51,019**	**4.4**	**58.1**	**33,141**	**19.4**	**51.2**	**9,642**	**45.1**	**12,155**	**34.6**	**55,467**	**6.8**	**55,501**	**10.9**
Education														
< High School	11,618	5.8	53.3	7,173	23.8	46.3	2,198	51.3	2,477	41.7	12,906	6.3	12,918	9.5
High School	22,695	4.5	58.3	14,910	18.9	52.1	4,374	45.7	5,003	35.9	24,697	6.5	24,709	11.0
> High School	16,084	3.2	61.6	10,719	17.1	53.2	2,984	39.5	4,456	29.2	17,158	7.7	17,167	11.9
Excluded Unknown	622	4.5	53.5	339	20.1	52.2	86	*	219	32.0	706	7.6	707	10.7
Total	**51,019**	**4.4**	**58.1**	**33,141**	**19.4**	**51.2**	**9,642**	**45.1**	**12,155**	**34.6**	**55,467**	**6.8**	**55,501**	**10.9**

Comparison of Health Indicators

Table 16C

2016 Pregnancy Nutrition Surveillance (1)

Run Date: 04/05/2017

Michigan

Summary of Trends in Maternal Health Indicators

Summary of Trends in Maternal Health Indicators (2)

Year	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
		Under-weight	Over-weight		< Ideal	> Ideal	3rd Trimester		Postpartum	
	Number	%	%	Number	%	%	Number	%	Number	%
2016	51,019	4.4	58.1	33,141	19.4	51.2	9,642	45.1	12,155	34.6
2015	53,599	4.4	56.8	44,460	19.6	50.7	9,750	41.4	12,308	31.6
2014	56,540	4.3	56.3	45,714	17.2	52.3	9,959	39.6	12,485	28.7
2013	58,063	4.3	56.0	46,728	16.9	52.4	9,903	38.9	11,995	28.7
2012	61,321	4.4	54.9	48,759	17.4	51.3	9,736	38.4	12,636	27.9
2011	62,449	4.4	54.4	50,780	17.6	51.0	10,073	35.7	13,689	27.5
2010	62,806	4.3	54.7	47,992	18.1	50.9	9,772	35.9	14,361	27.8

(1) Reporting period is January 1 through December 31
(2) Excludes records with unknown data errors.
(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).
(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 40 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).
(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.
* Percentages are not calculated if <100 records are available for analysis after exclusions

PNSS Trend Reports

Table 16C

2016 Pregnancy Nutrition Surveillance (1)

Run Date: 04/05/2017

Michigan

Summary of Trends in Maternal Health Indicators

Summary of Trends in Maternal Health Indicators (2)

Year	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
		Under-weight	Over-weight		< Ideal	> Ideal	3rd Trimester		Postpartum	
	Number	%	%	Number	%	%	Number	%	Number	%
2016	51,019	4.4	58.1	33,141	19.4	51.2	9,642	45.1	12,155	34.6
2015	53,599	4.4	56.8	44,460	19.6	50.7	9,750	41.4	12,308	31.6
2014	56,540	4.3	56.3	45,714	17.2	52.3	9,959	39.6	12,485	28.7
2013	58,063	4.3	56.0	46,728	16.9	52.4	9,903	38.9	11,995	28.7
2012	61,321	4.4	54.9	48,759	17.4	51.3	9,736	38.4	12,636	27.9
2011	62,449	4.4	54.4	50,780	17.6	51.0	10,073	35.7	13,689	27.5
2010	62,806	4.3	54.7	47,992	18.1	50.9	9,772	35.9	14,361	27.8

(1) Reporting period is January 1 through December 31
(2) Excludes records with unknown data errors.
(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9). overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).
(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 40 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).
(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.
* Percentages are not calculated if <100 records are available for analysis after exclusions

PNSS 2016 - Ohio

Table 1C
2016 Pregnancy Nutrition Surveillance (1)
Ohio
Summary of Demographic Indicators (2)

Run Date: 9/18/2017
Page : 1

Total Records	Number	%
Complete Records	4,941	9.0
Prenatal Records	23,400	42.7
Postpartum Records	26,484	48.3
Total	**54,825**	

Source of Data	Number	%
WIC	54,825	100.0
Maternal Health	0	0.0
Other	0	0.0
Total	**54,825**	**100.0**
Excluded Unknown *0* *0.0 %*		

Race/Ethnic Distribution	Number	%
White, Not Hispanic	31,647	57.7
Black, Not Hispanic	15,180	27.7
Hispanic	4,523	8.3
American Indian/Alaska Native	85	0.2
Asian/Pacific Islander	1,266	2.3
Multiple Races	2,122	3.9
All Other	0	0.0
Total	**54,823**	**100.0**
Excluded Unknown *0* *0.0 %*		

Age Distribution	Number	%
< 15 Years	108	0.2
15 - 17 Years	2,133	3.9
18 - 19 Years	5,631	10.3
20 - 29 Years	34,450	62.9
30 - 39 Years	11,803	21.5
>= 40 Years	656	1.2
Total	**54,781**	**100.0**
Excluded Unknown: 44 0.1 %		

Education Distribution	Number	%
< High School	7,188	13.8
High School	31,892	61.1
> High School	13,090	25.1
Total	**52,170**	**100.0**
Excluded Unknown *2,655* *4.8 %*		

% of Poverty Level	Number	%
0 - 50	28,418	51.9
51 - 100	12,925	23.6
101 - 130	5,945	10.8
131 - 150	2,572	4.7
151 - 185	3,343	6.1
186 - 200	443	0.8
> 200	880	1.6
Adjunctive Eligibility	277	0.5
Total	**54,803**	**100.0**
Excluded Unknown *299* *0.5 %*		

Program Participation (3)	Number	%
WIC	54,825	100.0
SNAP	54,825	50.2
Medicaid	54,825	83.8
Tanf	54,825	5.9
Excluded Unknown:		
WIC:	0	0.0
SNAP:	0	0.0
Medicaid:	0	0.0
Tanf:	0	0.0

Migrant Status	Number	%
Yes	168	0.3
No	54,657	99.7
Total	**54,825**	**100.0**
Excluded Unknown *0* *0.0 %*		

(1) Reporting period is January 1 through December 31
(2) Excludes records with unknown data errors.
(3) Prenatal program participation
* Percentages are not calculated if <100 records are available for analysis after exclusions

PedNSS 2016 - Ohio

Table 1C
2016 Pediatric Nutrition Surveillance (1)
Ohio
Summary of Demographic Indicators
Children Aged < 5 Years (2,3)

Run Date: 9/18/2017
Page : 1

Total Records	Number
Individual Children	237,975
Total Records (All Visits)	380,280

Source of Data	Number	%
WIC	237,975	100.0
EPSDT	0	0.0
Child Health-MCH	0	0.0
Child Health-HMO	0	0.0
HeadStart	0	0.0
School Health	0	0.0
Other	0	0.0
Total	**237,975**	**100.0**
Excluded Unknown *0* *0.0 %*		

Race/Ethnic Distribution	Number	%
White, Not Hispanic	123,930	52.1
Black, Not Hispanic	65,006	27.3
Hispanic	23,288	9.8
American Indian/Alaska Native	298	0.1
Asian/Pacific Islander	5,161	2.2
Multiple Races	20,262	8.5
All Other	30	0.0
Total	**237,975**	**100.0**
Excluded Unknown *0* *0.0 %*		

Age Distribution (4)	Number	%
0 - 5 Months	54,289	22.8
6 - 11 Months	37,410	15.7
12 - 23 Months	44,471	18.7
24 - 35 Months	36,059	15.2
3 - 4 Years	65,752	27.6
Total	**237,975**	**100.0**

% of Poverty Level	Number	%
0 - 50	105,050	44.2
51 - 100	64,152	27.0
101 - 130	29,042	12.2
131 - 150	12,857	5.4
151 - 185	16,951	7.1
186 - 200	2,603	1.1
Over 200	5,713	2.4
Adjunctive Eligibility	1,433	0.6
Total	**237,801**	**100.0**
Excluded Unknown *174* *0.1 %*		

Program Participation	Number	%
WIC	237,975	100.0
SNAP	237,975	57.2
Medicaid	237,975	89.2
Tanf	237,975	5.9
Excluded Unknown		
WIC	0	0.0
SNAP	0	0.0
Medicaid	0	0.0
Tanf	0	0.0

Migrant Status	Number	%
Yes	385	0.2
No	237,590	99.8
Total	**237,975**	**100.0**
Excluded Unknown *0* *0.0 %*		

(1) Reporting period is January 1 through December 31
(2) Analyses based on one record per child
(3) Excludes records with unknown data errors.
(4) Records rejected if date of birth and date of visit unknown
* Percentages are not calculated if <100 records are available for analysis after exclusions

In Preparation…

- For the UAT we will need:
- PNSS data extracts (monthly or quarterly, from 2012 – 2016.
- PedNSS data extracts (monthly or quarterly, from 2012 – 2016.
- Code files describing to list of agencies/clinics/counties/Metro area/region that were active for each year–sample will be provided
- PNSS and PedNSS reports as received from CDC for 2011 (to be used as reference in UAT).
- Data quality reports from 2011 if available.

WIC-PNSS & PedNSS

Project Contact

Kobra Eghtedary, PhD
Director of Data, Research & Technology
Michigan WIC Program
Eghtedaryk@michigan.gov
(517)335-9834