

ICPSR 36955

**State of Michigan: Taking Action  
on Flint Water Test Results,  
2015-2017**

*Michigan Department of Health and  
Human Services*

Codebook for Part 1 - Establishment Testing  
Results

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# **ICPSR 36955**

## **State of Michigan: Taking Action on Flint Water Test Results, 2015-2017**

### **Variable Description and Frequencies**

**Note:** Frequencies displayed for the variables are not weighted. They are purely descriptive and may not be representative of the study population. Please review any sampling or weighting information available with the study.

Summary statistics (minimum, maximum, mean, median, and standard deviation) may not be available for every variable in the codebook. Conversely, a listing of frequencies in table format may not be present for every variable in the codebook either. However, all variables in the dataset are present and display sufficient information about each variable. These decisions are made intentionally and are at the discretion of the archive producing this codebook.

# Establishment Testing Results

## ESTABTYPE: Establishment Type (Day Care Center or Adult Foster/Health Care Center)

Value	Label	Unweighted Frequency	%
1	Day Care Center	1677	57.7 %
2	Adult Foster/Health Care Center	1231	42.3 %
	<b>Total</b>	<b>2,908</b>	<b>100%</b>

Based upon 2,908 valid cases out of 2,908 total cases.

- Minimum: 1
- Maximum: 2

Location: 1-2 (width: 2; decimal: 0)

Variable Type: numeric

## RESULT\_LEAD: Results Lead (PPB)

Value	Label	Unweighted Frequency	%
-	-	1	0.0 %
1	-	161	5.5 %
10	-	13	0.4 %
108	-	1	0.0 %
11	-	6	0.2 %
110	-	2	0.1 %
113	-	1	0.0 %
118	-	1	0.0 %
12	-	4	0.1 %
13	-	6	0.2 %
130	-	1	0.0 %
136	-	1	0.0 %
14	-	4	0.1 %
143	-	1	0.0 %
145	-	1	0.0 %
15	-	6	0.2 %
16	-	5	0.2 %
160	-	1	0.0 %
163	-	1	0.0 %
17	-	4	0.1 %
18	-	2	0.1 %
1856	-	1	0.0 %
19	-	4	0.1 %

Value	Label	Unweighted Frequency	%
196	-	1	0.0 %
2	-	132	4.5 %
20	-	2	0.1 %
21	-	1	0.0 %
215	-	1	0.0 %
22	-	6	0.2 %
227	-	1	0.0 %
23	-	6	0.2 %
24	-	2	0.1 %
246	-	1	0.0 %
25	-	1	0.0 %
26	-	1	0.0 %
27	-	2	0.1 %
274	-	1	0.0 %
28	-	2	0.1 %
29	-	1	0.0 %
3	-	56	1.9 %
30	-	2	0.1 %
33	-	3	0.1 %
34	-	1	0.0 %
35	-	1	0.0 %
36	-	1	0.0 %
37	-	1	0.0 %
38	-	1	0.0 %
4	-	48	1.7 %
40	-	1	0.0 %
41	-	1	0.0 %
	<b>Total</b>	<b>2,908</b>	<b>100%</b>

Please note that only the first 50 response categories are displayed in the PDF codebook. To view all response categories, please analyze the data file in the statistical package of your choice (SAS, SPSS, Stata, R).

Based upon 2,908 valid cases out of 2,908 total cases.

*Location:* 3-7 (width: 5; decimal: 0)

*Variable Type:* character

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## SAMPLEDESCRIPTION: Sample Description

Value	Label	Unweighted Frequency	%
	-	1	0.0 %
001BF001	-	8	0.3 %

Value	Label	Unweighted Frequency	%
001BF001 1ST FLOOR BATH	-	8	0.3 %
001BF001 BACK BATH	-	4	0.1 %
001BF001 FIRST FLOOR BATH	-	4	0.1 %
001BF002	-	4	0.1 %
001BF002 1ST FLOOR BATH	-	8	0.3 %
001BF002 FRONT BATH	-	4	0.1 %
001BF002 K	-	4	0.1 %
001BF003	-	4	0.1 %
001BF004	-	4	0.1 %
001BF006	-	4	0.1 %
001BF008	-	4	0.1 %
001BF012	-	4	0.1 %
001BF013	-	4	0.1 %
001CF002	-	4	0.1 %
001CF007	-	14	0.5 %
001CF009	-	4	0.1 %
001CF014	-	4	0.1 %
001CF015	-	4	0.1 %
001KC001	-	14	0.5 %
001KC001 KITCHEN	-	32	1.1 %
001KC002	-	14	0.5 %
001KC002 KITCHEN	-	28	1.0 %
001KC003	-	14	0.5 %
001KC003 KITCHEN	-	42	1.4 %
001KC004 KITCHEN	-	14	0.5 %
001KC005	-	4	0.1 %
001KC016	-	14	0.5 %
001WC010	-	4	0.1 %
001WC011	-	4	0.1 %
002BF002 2ND FLOOR BATH	-	4	0.1 %
002BF002 SECOND FLOOR BATH	-	4	0.1 %
002BF002 UPSTAIRS BATH	-	4	0.1 %
002BF003 2ND FLOOR BATH	-	4	0.1 %
00BBF001 BASEMENT BATH	-	4	0.1 %
00BBF002	-	4	0.1 %
00BBF003	-	4	0.1 %
00BCF003 LOWER LEVEL BATH	-	4	0.1 %
00BCF004	-	4	0.1 %
00BKC001	-	14	0.5 %

Value	Label	Unweighted Frequency	%
01 CF002	-	4	0.1 %
01 CF003	-	4	0.1 %
01 CF004	-	4	0.1 %
01 CF005	-	4	0.1 %
01 CF007	-	4	0.1 %
01 CF008	-	4	0.1 %
01 CF009	-	4	0.1 %
01 CF010	-	4	0.1 %
01 CF012	-	4	0.1 %
	<b>Total</b>	<b>2,908</b>	<b>100%</b>

Please note that only the first 50 response categories are displayed in the PDF codebook. To view all response categories, please analyze the data file in the statistical package of your choice (SAS, SPSS, Stata, R).

Based upon 2,908 valid cases out of 2,908 total cases.

*Location:* 8-43 (width: 36; decimal: 0)

*Variable Type:* character

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## SITECODE: Site Code

Value	Label	Unweighted Frequency	%
	-	1	0.0 %
A 1	-	1	0.0 %
A 10	-	1	0.0 %
A 2	-	1	0.0 %
A 3	-	1	0.0 %
A 4	-	1	0.0 %
A 5	-	1	0.0 %
A 6	-	1	0.0 %
A 7	-	1	0.0 %
A 8	-	1	0.0 %
A 9	-	1	0.0 %
A1	-	10	0.3 %
A10	-	10	0.3 %
A2	-	10	0.3 %
A3	-	10	0.3 %
A4	-	10	0.3 %
A5	-	10	0.3 %
A6	-	10	0.3 %
A7	-	10	0.3 %
A8	-	10	0.3 %

Value	Label	Unweighted Frequency	%
A9	-	10	0.3 %
B 1	-	1	0.0 %
B 10	-	1	0.0 %
B 2	-	1	0.0 %
B 3	-	1	0.0 %
B 4	-	1	0.0 %
B 5	-	1	0.0 %
B 6	-	1	0.0 %
B 7	-	1	0.0 %
B 8	-	1	0.0 %
B 9	-	1	0.0 %
B1	-	3	0.1 %
B10	-	3	0.1 %
B2	-	3	0.1 %
B3	-	3	0.1 %
B4	-	3	0.1 %
B5	-	3	0.1 %
B6	-	3	0.1 %
B7	-	3	0.1 %
B8	-	3	0.1 %
B9	-	3	0.1 %
C 1	-	1	0.0 %
C 10	-	1	0.0 %
C 2	-	1	0.0 %
C 3	-	1	0.0 %
C 4	-	1	0.0 %
C 5	-	1	0.0 %
C 6	-	1	0.0 %
C 7	-	1	0.0 %
C 8	-	1	0.0 %
	<b>Total</b>	<b>2,908</b>	<b>100%</b>

Please note that only the first 50 response categories are displayed in the PDF codebook. To view all response categories, please analyze the data file in the statistical package of your choice (SAS, SPSS, Stata, R).

Based upon 2,908 valid cases out of 2,908 total cases.

*Location:* 44-52 (width: 9; decimal: 0)

*Variable Type:* character

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## RESULT\_COPPER: Results Copper (PPB)



Value	Label	Unweighted Frequency	%
-	-	1	0.0 %
100	-	78	2.7 %
100*	-	1	0.0 %
1010	-	1	0.0 %
110	-	92	3.2 %
120	-	87	3.0 %
1290	-	1	0.0 %
130	-	65	2.2 %
1350	-	1	0.0 %
140	-	75	2.6 %
1400	-	1	0.0 %
1410	-	1	0.0 %
1490	-	1	0.0 %
150	-	52	1.8 %
1530	-	1	0.0 %
1540	-	1	0.0 %
160	-	40	1.4 %
170	-	36	1.2 %
180	-	32	1.1 %
190	-	30	1.0 %
1990	-	1	0.0 %
200	-	25	0.9 %
210	-	16	0.6 %
220	-	13	0.4 %
230	-	21	0.7 %
240	-	13	0.4 %
250	-	11	0.4 %
260	-	12	0.4 %
270	-	7	0.2 %
280	-	9	0.3 %
290	-	12	0.4 %
300	-	9	0.3 %
3070	-	1	0.0 %
310	-	10	0.3 %
320	-	4	0.1 %
330	-	5	0.2 %
3320	-	1	0.0 %
340	-	4	0.1 %
350	-	1	0.0 %

Value	Label	Unweighted Frequency	%
360	-	3	0.1 %
370	-	3	0.1 %
400	-	1	0.0 %
410	-	1	0.0 %
420	-	5	0.2 %
430	-	2	0.1 %
440	-	3	0.1 %
450	-	2	0.1 %
4620	-	1	0.0 %
470	-	1	0.0 %
4720	-	1	0.0 %
	<b>Total</b>	<b>2,908</b>	<b>100%</b>

Please note that only the first 50 response categories are displayed in the PDF codebook. To view all response categories, please analyze the data file in the statistical package of your choice (SAS, SPSS, Stata, R).

Based upon 2,908 valid cases out of 2,908 total cases.

*Location:* 53-57 (width: 5; decimal: 0)

*Variable Type:* character

## NAME: Name

Value	Label	Unweighted Frequency	%
Alleree Billings Daycare	-	22	0.8 %
Angie McNeal Daycare	-	18	0.6 %
Betty Joe Pea Day Care	-	26	0.9 %
Bridon's Child Development Center	-	50	1.7 %
Clifford St. AFC Home	-	26	0.9 %
Flatrock Manor of Flint	-	30	1.0 %
Flint/Genesee Job Corps Center	-	108	3.7 %
GCCARD Child Development Center	-	26	0.9 %
Gail Sewell Daycare	-	26	0.9 %
Genesee Regional Crisis Residential Unit	-	50	1.7 %
Gloria's Little Angels Child Care Center	-	46	1.6 %
Harmony Manor- Avon	-	26	0.9 %
Harmony Manor-Court	-	54	1.9 %
Heartland Health Care Center	-	355	12.2 %
Heavenly Angels	-	22	0.8 %
Honey Bee Palace Childcare Center	-	94	3.2 %
JJS AFC	-	82	2.8 %
Jane Zitterkoph	-	22	0.8 %

Value	Label	Unweighted Frequency	%
Janice Mobley Daycare	-	18	0.6 %
Just For Kids Daycare	-	26	0.9 %
Kiddie Time Childcare Center	-	22	0.8 %
Kingdom Kampus	-	18	0.6 %
Kiwanis House	-	22	0.8 %
Leali Alexander's Daycare	-	26	0.9 %
Leo Adams Jr. Daycare	-	22	0.8 %
Lisa Ann Adams Daycare	-	22	0.8 %
Lori Hill Daycare	-	26	0.9 %
Manley School	-	404	13.9 %
McFarlan Home	-	280	9.6 %
Monica Walker's Daycare	-	17	0.6 %
Monique Hendrix Daycare	-	18	0.6 %
New Beginnings AFC	-	66	2.3 %
New Hope Behavioral Services I and II	-	168	5.8 %
Optimist House	-	23	0.8 %
Paige AFC	-	26	0.9 %
REACH	-	30	1.0 %
Rotary House	-	22	0.8 %
Sand Castles Child Development	-	86	3.0 %
Sunny Patch Learning Center	-	52	1.8 %
Teddy Bears/Patrice Moore Daycare	-	26	0.9 %
Thorn AFC	-	19	0.7 %
Transition Living Program	-	44	1.5 %
Washington AFC 2	-	35	1.2 %
Whaley Children's Center	-	245	8.4 %
Women's Center of Flint	-	14	0.5 %
Wonder and Discovery Child Development	-	22	0.8 %
Zonta House	-	26	0.9 %
	<b>Total</b>	<b>2,908</b>	<b>100%</b>

Based upon 2,908 valid cases out of 2,908 total cases.

Location: 58-97 (width: 40; decimal: 0)

Variable Type: character

## CITY: City

Value	Label	Unweighted Frequency	%
Flint	-	2908	100.0 %
	<b>Total</b>	<b>2,908</b>	<b>100%</b>

Based upon 2,908 valid cases out of 2,908 total cases.

Location: 98-103 (width: 6; decimal: 0)

Variable Type: character

## ZIPCODE: ZipCode

Value	Label	Unweighted Frequency	%
48502	-	130	4.5 %
48503	-	858	29.5 %
48504	-	423	14.5 %
48505	-	331	11.4 %
48506	-	377	13.0 %
48507	-	789	27.1 %
	<b>Total</b>	<b>2,908</b>	<b>100%</b>

Based upon 2,908 valid cases out of 2,908 total cases.

- Mean: 48504.80
- Median: 48505.00
- Mode: 48503.00
- Minimum: 48502
- Maximum: 48507
- Standard Deviation: 1.70

Location: 104-109 (width: 6; decimal: 0)

Variable Type: numeric

## DATEOFPOSTFILTERASSESSMENTS: Date of Post Filter Assessments

Value	Label	Unweighted Frequency	%
01-AUG-2016	-	44	1.5 %
02-JUL-2016	-	26	0.9 %
03-AUG-2016	-	17	0.6 %
04-JUN-2016	-	193	6.6 %
05-AUG-2016	-	18	0.6 %
06-APR-2016	-	404	13.9 %
06-AUG-2016	-	44	1.5 %
08-AUG-2016	-	26	0.9 %
08-JUL-2016	-	26	0.9 %
09-APR-2016	-	234	8.0 %
10-AUG-2016	-	22	0.8 %
12-JUL-2016	-	14	0.5 %
12-MAR-2016	-	245	8.4 %
14-MAY-2016	-	276	9.5 %
15-JUL-2016	-	22	0.8 %

Value	Label	Unweighted Frequency	%
16-JUL-2016	-	66	2.3 %
18-JUL-2016	-	22	0.8 %
20-JUL-2016	-	22	0.8 %
21-MAY-2016	-	317	10.9 %
22-JUL-2016	-	50	1.7 %
23-APR-2016	-	355	12.2 %
25-JUL-2016	-	18	0.6 %
26-JUL-2016	-	26	0.9 %
27-JUL-2016	-	26	0.9 %
29-JUL-2016	-	22	0.8 %
30-APR-2016	-	373	12.8 %
	<b>Total</b>	<b>2,908</b>	<b>100%</b>

Based upon 2,908 valid cases out of 2,908 total cases.

*Location:* 110-120 (width: 11; decimal: 0)

*Variable Type:* character