

# Decennial Field Quality Monitoring

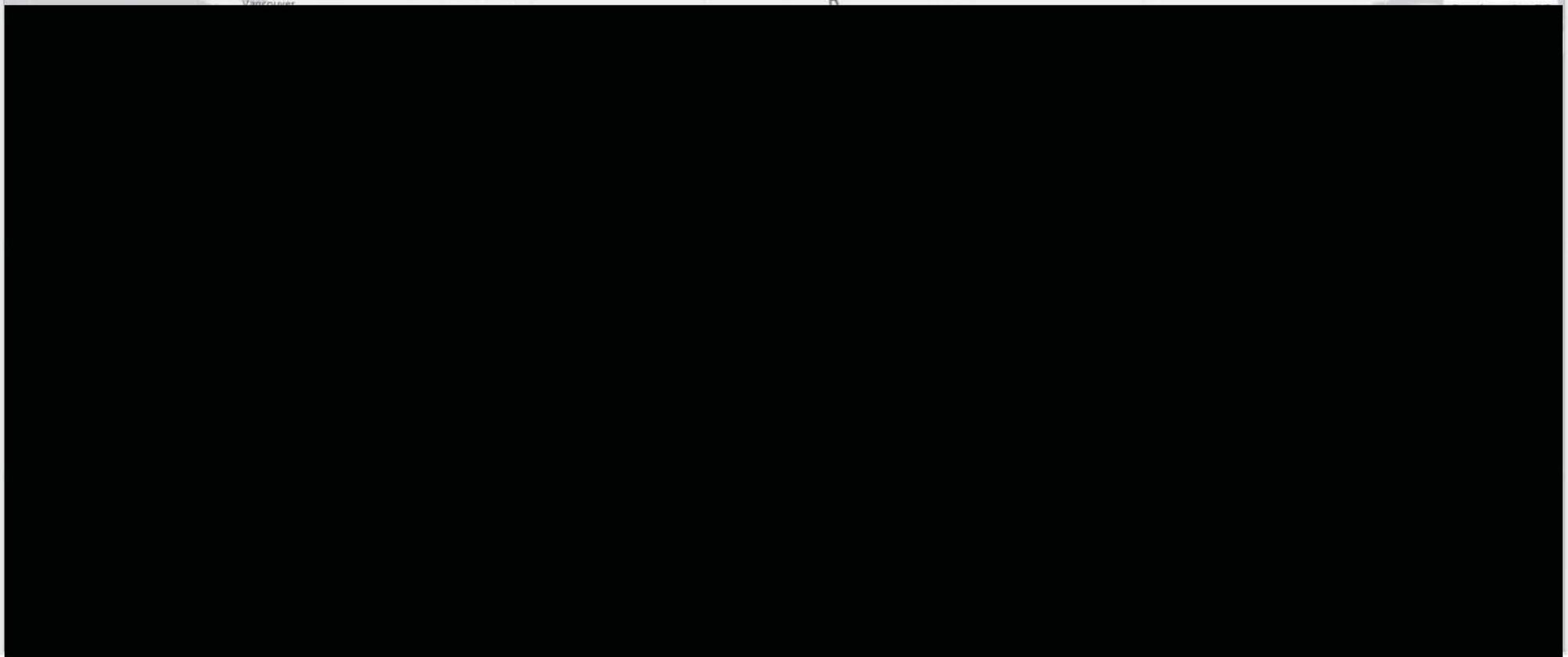
## Overview and Update: 08/18/20

### **CIG Meeting**

Presented by: Nick von Stein

# All Outliers by CFSA

Selection	Total CFSA's	Completed	Deleted	Enumerated	Proxy	Max Attempts	Cases in RI	RI Completed	RI Unresolved
	403	80	58	117	129	46	39	4	4



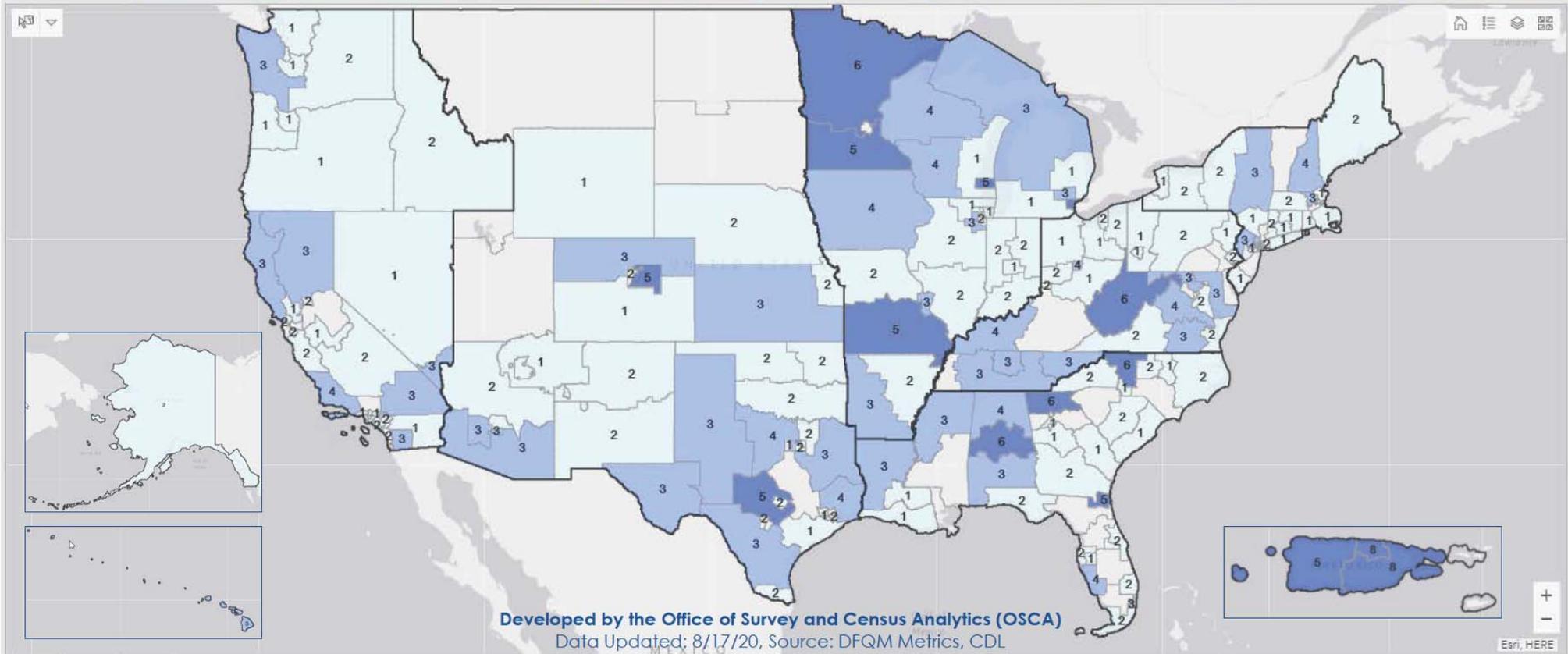
## DFQM Metrics Dashboard: Outliers by RCC

RCC	RCC Name	# of ACOs	# of CFSAs	Total # Outliers	Completed # Outliers	Deleted # Outliers	Enumerated # Outliers	Enumerated via Proxy # Outliers	Max Attempts Min Data # Outliers	RI Cases in Reint # Outliers	RI Completed # Outliers	RI Unresolved # Outliers
3199	Dallas	42	83	96	16	8	27	25	9	9	1	1
2299	New York	36	71	88	15	12	24	21	8	5	1	2
2599	Chicago	30	67	80	16	7	19	24	7	6	1	0
2999	Atlanta	31	56	77	20	7	30	13	3	3	0	1
3299	Los Angeles	38	63	68	5	17	4	22	11	9	0	0
2399	Philadelphia	29	63	68	8	7	13	24	8	7	1	0
<b>National</b>		<b>206</b>	<b>403</b>	<b>477</b>	<b>80</b>	<b>58</b>	<b>117</b>	<b>129</b>	<b>46</b>	<b>39</b>	<b>4</b>	<b>4</b>

# Total Outliers by ACO

Pre-decisional – Internal Use Only – Not for Public Distribution

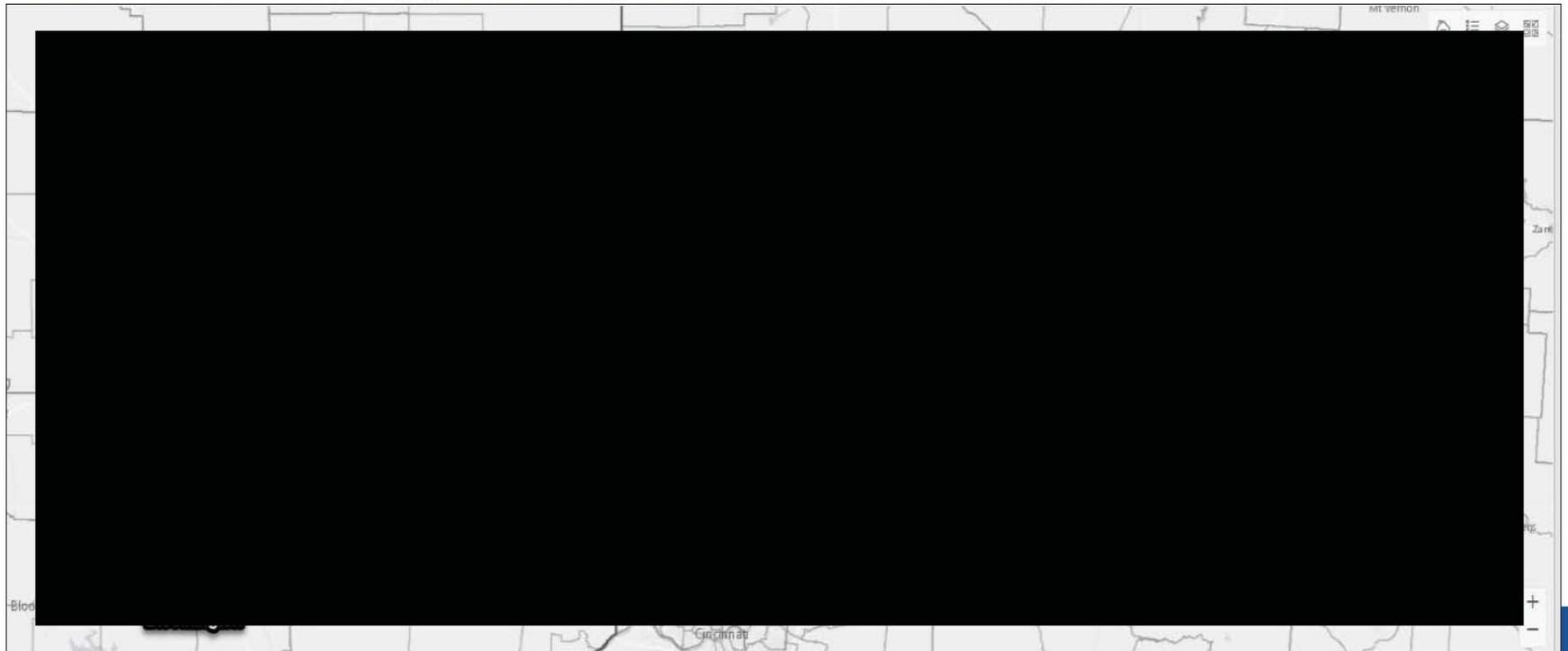
Selection	Total CFSAs <b>403</b>	Completed <b>80</b>	Deleted <b>58</b>	Enumerated <b>117</b>	Proxy <b>129</b>	Max Attempts <b>46</b>	Cases in RI <b>39</b>	RI Completed <b>4</b>	RI Unresolved <b>4</b>
-----------	---------------------------	------------------------	----------------------	--------------------------	---------------------	---------------------------	--------------------------	--------------------------	---------------------------



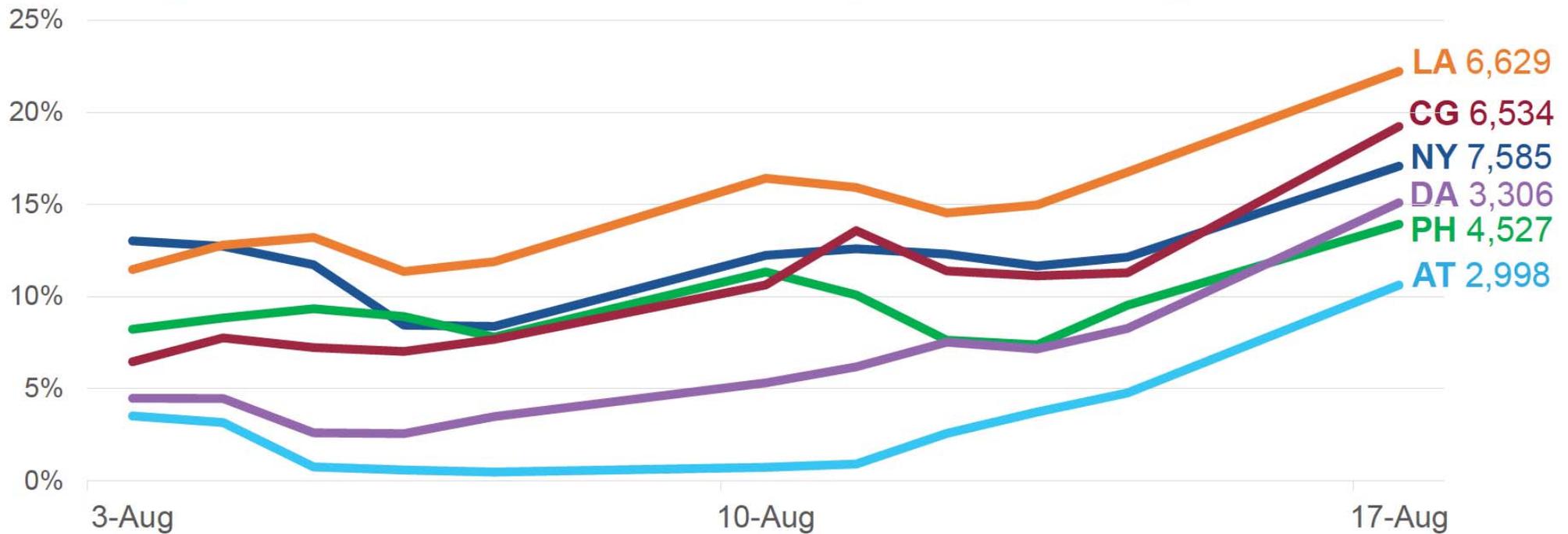
# DFQM Metrics Dashboard: Enumerated via Proxy Outliers (Top 20 by %)

RCC	ACO	ACO Name	CFMA	CFSA	Workload	Total # Outliers	% NRFU Cases Completed	% NRFU Cases Enumerated via Proxy	NRFU Enumerated via Proxy Std. Score
2999	2904	Birmingham	3	7					
2299	2280	Manhattan 1	5	8					
2399	2379	State College	7	2					
2299	2256	Boston	1	9					
3199	3171	Austin	3	7					
3299	3280	San Francisco	3	1					
3199	3188	Lubbock	6	1					
3199	3167	Oklahoma County	5	9					
2299	2293	Guaynabo	13	4					
2999	2968	Fort Myers	2	1					
2399	2390	Beckley	10	6					
2299	2293	Guaynabo	13	10					
2599	2566	Peoria	3	3					
2599	2581	Kansas City	2	3					
2399	2379	State College	7	5					
2299	2283	North Brooklyn	3	7					
2599	2569	Evansville	4	7					
2399	2367	Columbus	5	7					
2399	2389	Roanoke	5	7					
2599	2580	Rochester	5	2					

## DFQM Metrics Mapper: Proxy Outliers, Parts of Ohio and Indiana



## % Open State Alerts of Total Open Alerts by RCC



# Assessments and Observations – RCC

RCC	Failed Assessment	Failed Assessment and have Received an Assignment (Ever)	% of Failed Assessment that have Received an Assignment (Ever)	Total with Observation Result in LMS	% of Failed with Observation Result in LMS	Failed, Working without an Observation (Worst Case)	% of Failed, Working Without an Observation (Worst Case)	Failed, Waiting for Observation (Worst Case)	% Failed, Waiting for Observation (Worst Case)	Observation Forms Received in Folders
2299	4,765	2,870	60.2%	1,252	26.3%	1,618	34.0%	1,895	39.8%	1,107
2399	3,213	2,213	68.9%	1,139	35.4%	1,131	33.4%	943	29.3%	666
2599	3,677	2,360	64.2%	1,081	29.4%	1,312	34.8%	1,284	34.9%	209
2999	5,022	3,362	66.9%	1,279	25.5%	2,085	41.5%	1,658	33.0%	277
3199	3,959	2,664	67.3%	1,063	26.9%	1,601	40.4%	1,295	32.7%	772
3299	4,753	2,243	47.2%	1,003	21.1%	1,360	26.1%	2,390	50.3%	665
<b>Grand Total</b>	<b>25,389</b>	<b>15,712</b>	<b>61.9%</b>	<b>6,817</b>	<b>26.9%</b>	<b>9,107</b>	<b>35.0%</b>	<b>9,465</b>	<b>37.3%</b>	<b>3,696</b>

## Assessments and Observations – Phase 1A ACO's

ACO	ACO Name	Failed Assessment	Failed Assessment and have Received an Assignment (Ever)	% of Failed Assessment that have Received an Assignment (Ever)	Total with Observation Result in LMS	% of Failed with Observation Result in LMS	Failed, Working without an Observation (Worst Case)	% of Failed, Working Without an Observation (Worst Case)	Failed, Waiting for Observation (Worst Case)	% Failed, Waiting for Observation (Worst Case)	Observation Forms Received in Folders
2262	Gardiner	200	150	75.0%	96	48%	54	27%	50	25%	31
2390	Beckley	281	215	76.5%	259	92%	0	0%	22	8%	123
2581	Kansas City	157	122	77.7%	73	46%	49	31%	35	22%	0
2990	New Orleans	161	134	83.2%	136	84%	0	0%	25	16%	0
3167	Oklahoma County	68	59	86.8%	51	75%	8	12%	9	13%	62
3256	Boise	80	37	46.3%	57	71%	0	0%	23	29%	56
		<b>947</b>	<b>717</b>	<b>75.7%</b>	<b>672</b>	<b>71.0%</b>	<b>111</b>	<b>11.7%</b>	<b>164</b>	<b>17.3%</b>	<b>272</b>

## Assessments and Observations – Phase 1B ACO's

ACO	ACO Name	Failed Assessment	Failed Assessment and have Received an Assignment (Ever)	% of Failed Assessment that have Received an Assignment (Ever)	Total with Observation Result in LMS	% of Failed with Observation Result in LMS	Failed, Working without an Observation (Worst Case)	% of Failed, Working Without an Observation (Worst Case)	Failed, Waiting for Observation (Worst Case)	% Failed, Waiting for Observation (Worst Case)	Observation Forms Received in Folders
2254	Hartford	87	60	69.0%	44	51%	16	18%	27	31%	74
2379	State College	87	55	63.2%	20	23%	35	40%	32	37%	0
2384	Crystal City	57	48	84.2%	43	75%	5	9%	9	16%	36
2569	Evansville	120	101	84.2%	99	83%	2	2%	19	16%	94
3159	Wichita	80	60	75.0%	26	33%	34	43%	20	25%	34
3297	Tacoma	95	69	72.6%	37	39%	32	34%	26	27%	0
		526	393	74.7%	269	51.1%	124	23.6%	133	25.3%	238

# Assessments and Observations – Phase 2 ACO's

(Top 5 / Bottom 5 based on % Failed Assessment with Observation Result in LMS)

ACO	ACO Name	Failed Assessment	Failed Assessment and have Received an Assignment (Ever)	% of Failed Assessment that have Received an Assignment (Ever)	Total with Observation Result in LMS	% of Failed with Observation Result in LMS	Failed, Working without an Observation (Worst Case)	% of Failed, Working Without an Observation (Worst Case)	Failed, Waiting for Observation (Worst Case)	% Failed, Waiting for Observation (Worst Case)	Observation Forms Received in Folders
2567	Skokie	101	78	77.2%	87	86%	0	0%	14	14%	12
2294	Caguas	361	328	90.9%	282	78%	46	13%	33	9%	244
3295	Seattle	100	36	36.0%	78	78%	0	0%	22	22%	96
2260	Waltham	97	84	86.6%	68	70%	16	16%	13	13%	42
3154	Aurora	26	20	76.9%	18	69%	2	8%	6	23%	0
2258	Quincy	51	21	41.2%	0	0%	21	41%	30	59%	9
2271	Trenton	107	68	63.6%	0	0%	68	64%	39	36%	49
2276	Buffalo	61	46	75.4%	0	0%	46	75%	15	25%	0
3157	Denver	82	60	73.2%	3	4%	57	70%	22	27%	20
3155	Colorado North	67	38	56.7%	5	7%	33	49%	29	43%	0

# Assessments and Observations – Phase 3 ACO's

(Top 5 / Bottom 5 based on % Failed Assessment with Observation Result in LMS)

ACO	ACO Name	Failed Assessment	Failed Assessment and have Received an Assignment (Ever)	% of Failed Assessment that have Received an Assignment (Ever)	Total with Observation Result in LMS	% of Failed with Observation Result in LMS	Failed, Working without an Observation (Worst Case)	% of Failed, Working Without an Observation (Worst Case)	Failed, Waiting for Observation (Worst Case)	% Failed, Waiting for Observation (Worst Case)	Observation Forms Received in Folders
2579	Minneapolis	42	20	47.6%	38	90%	0	0%	4	10%	0
2385	Fairfax	56	49	87.5%	36	64%	13	23%	7	13%	37
2389	Roanoke	66	22	33.3%	35	53%	0	0%	31	47%	0
2371	Allentown	118	79	66.9%	53	45%	26	22%	39	33%	0
2277	Queens 1	150	70	46.7%	52	35%	18	12%	80	53%	50
2268	Newark	153	73	47.7%	0	0%	73	48%	80	52%	0
2256	Boston	130	51	39.2%	0	0%	51	39%	79	61%	3
2282	Pawling	108	55	50.9%	0	0%	55	51%	53	49%	0
2291	Syracuse	60	34	56.7%	0	0%	34	57%	26	43%	0
2283	Brooklyn 2	55	7	12.7%	0	0%	7	13%	48	87%	1

# Assessments and Observations – Production ACO's

(Top 5 / Bottom 5 based on % Failed Assessment with Observation Result in LMS)

ACO	ACO Name	Failed Assessment	Failed Assessment and have Received an Assignment (Ever)	% of Failed Assessment that have Received an Assignment (Ever)	Total with Observation Result in LMS	% of Failed with Observation Result in LMS	Failed, Working without an Observation (Worst Case)	% of Failed, Working Without an Observation (Worst Case)	Failed, Waiting for Observation (Worst Case)	% Failed, Waiting for Observation (Worst Case)	Observation Forms Received in Folders
3188	Lubbock	72	60	83.3%	60	83%	0	0%	12	17%	0
3285	Santa Clarita	208	145	69.7%	170	82%	0	0%	38	18%	157
2570	Ft. Wayne	60	38	63.3%	44	73%	0	0%	16	27%	10
3184	Houston NW	76	67	88.2%	55	72%	12	16%	9	12%	72
3196	Orem	54	42	77.8%	38	70%	4	7%	12	22%	1
3269	Long Beach	205	145	70.7%	0	0%	145	71%	60	29%	0
2556	Fayetteville	191	120	62.8%	0	0%	120	63%	71	37%	0
3185	Houston South	151	94	62.3%	0	0%	94	62%	57	38%	0
3263	Bakersfield	147	77	52.4%	0	0%	77	52%	70	48%	0
2996	Greenville, NC	136	97	71.3%	0	0%	97	71%	39	29%	0

## Assessments and Observations – All Phases

NRFU Phase	Failed Assessment	Failed Assessment and have Received an Assignment (Ever)	% of Failed Assessment that have Received an Assignment (Ever)	Total with Observation Result in LMS	% of Failed with Observation Result in LMS	Failed, Working without an Observation (Worst Case)	% of Failed, Working Without an Observation (Worst Case)	Failed, Waiting for Observation (Worst Case)	% Failed, Waiting for Observation (Worst Case)	Observation Forms Received in Folders
1a	947	717	75.7%	672	71.0%	45	4.8%	230	24.3%	272
1b	526	393	74.7%	269	51.1%	124	23.6%	133	25.3%	238
2	4,432	3,264	73.6%	1,978	44.6%	1,286	29.0%	1,168	26.4%	1,264
3	3,307	1,790	54.1%	515	15.6%	1,275	38.6%	1,517	45.9%	355
prod	16,177	9,548	59.0%	3,383	20.9%	6,165	38.1%	6,629	41.0%	1,567
<b>Grand Total</b>	<b>25,389</b>	<b>15,712</b>	<b>61.9%</b>	<b>6,817</b>	<b>26.9%</b>	<b>8,895</b>	<b>35.0%</b>	<b>9,677</b>	<b>38.1%</b>	<b>3,696</b>

# Questions?

2020CENSUS.GOV

# Backup

2020CENSUS.GOV

# DFQM NRFU Production & NRFU RI Outlier Metrics

Metric Name	Calculation	Why this metric?
NRFU Completed Ratio	$\frac{\text{Total Complete}}{\text{NRFU Current Followup Wkld}}$	Measures progress in completing assigned NRFU workload
NRFU Deleted Ratio	$\frac{\text{Deleted Units}}{\text{Field Closed}}$	May indicate enumerators deleting cases rather than working them in order to save time
NRFU Enumerated Ratio	$\frac{\text{Total Enumerated}}{\text{NRFU Current Followup Wkld}}$	Measures progress in conducting an enumeration from assigned NRFU workload
NRFU Enumerated via Proxy Ratio	$\frac{\text{Enumerated via Proxy}}{\text{Total Enumerated}}$	Enumerators may act as proxy themselves, go to proxy too soon, or not use proxies when prompted. Proxy interviews may also be less reliable than HH enumerations. RTAD asked us to track this
Max Attempts Reached w/ Minimal Data Ratio	$\frac{\text{Max Att. Reached With Minimal Data}}{\text{Field Closed}}$	Enumerators may be going to close out procedures too quickly or not asking all survey questions
NRFU RI Cases in Reinterview Ratio	$\frac{\text{RI Current Followup Wkld}}{\text{NRFU Current Followup Wkld}}$	May indicate insufficient quality checks
NRFU RI Completed Ratio	$\frac{\text{RI Complete}}{\text{RI Current Followup Wkld}}$	Measures progress in completing assigned NRFU RI workload
NRFU RI Unresolved Ratio	$\frac{\text{\# Unresolved RI cases}}{\text{Total Complete in Reint}}$	RI cases that cannot be resolved cannot be used to verify original interviews, decreasing the efficacy of the RI operation, and reducing the ability to quality check

## DFQM Metrics Dashboard: Outliers by Phase

Phase	# of ACOs	# of CFSAs	Total # Outliers	Completed # Outliers	Deleted # Outliers	Enumerated # Outliers	Enumerated via Proxy # Outliers	Max Attempts Min Data # Outliers	RI Cases in Reint # Outliers	RI Completed # Outliers	RI Unresolved # Outliers
1a	5	14	14	1	2	0	6	0	3	1	1
1b	5	8	9	0	3	0	4	0	1	1	0
2	31	71	76	2	15	7	28	9	12	1	2
3	29	55	64	13	6	21	14	9	0	1	0
PROD	136	255	314	64	32	89	77	28	23	0	1
<b>National</b>	<b>206</b>	<b>403</b>	<b>477</b>	<b>80</b>	<b>58</b>	<b>117</b>	<b>129</b>	<b>46</b>	<b>39</b>	<b>4</b>	<b>4</b>