2020 Census Nonresponse Followup Readiness

Operational Delivery 10.0

Date: 09/03/2020

Presented by

Team of Four: Dominic Beamer (Sarah Gibb), Amy Fischer, Mariam Elisashvili

SMEs: Tom Mule, Letitia Jones, Tammy Adams, Donna Scheleur, RJ Marquette, Kristine Roinestad

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Agenda

- Milestone Schedule
- Soft Launch Overview
  - Expected Workload
  - Schedule
  - Summary
  - Staffing
- Production System Update

Status Legend

Complete	On Track	Management Focus	Requires Attention

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Milestone Schedule

As of: 09/03/2020

Activity	Date
Soft Launch	
Cycle 1A Enumeration Start	07/16/20A
Cycle 1B Enumeration Start	08/05/20A
Cycle 2 Enumeration Start	07/30/20A
Cycle 3 Enumeration Start	08/03/20A
Full Launch	
NRFU Begins	08/09/20A
NRFU RI Begins	08/10/20A
NRFU Production Ends	09/30/20
NRFU Re-interview Ends	09/30/20

Days Until NRFU End (09/30) - 28

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Periodic Performance Management Reports

2020 Census: Nonresponse Followup Progress and Cost*

Data as of: 09/02/2020
Source: Unified Tracking System
*Data are aggregated for all ACOs regardless of soft launch cycle.

Status:
On Track

Data current as of:
September 02, 2020

Start Date:
July 16, 2020

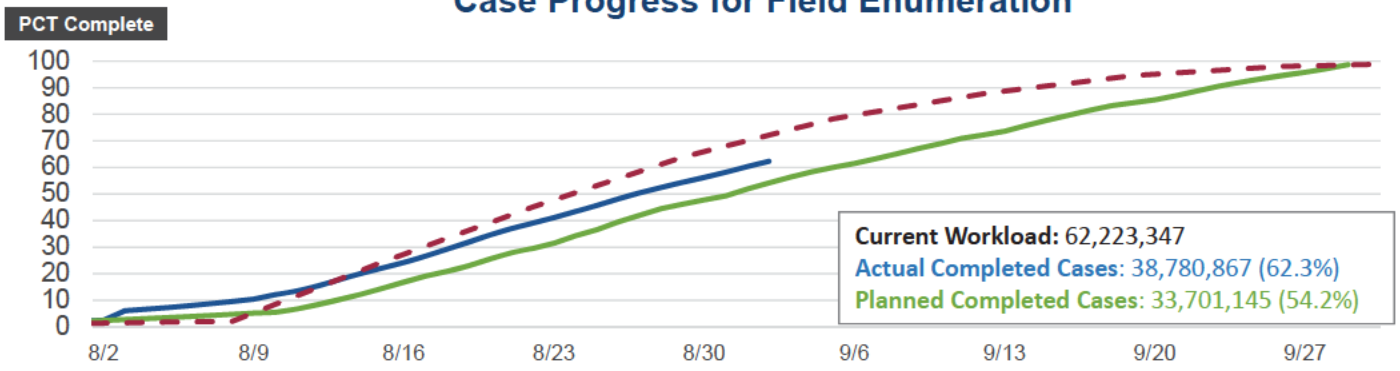
Completion Date:
September 30, 2020

Notes:
Current workload reflects all case types. Costs include training and production costs for NRFU Enumerators and CFS.

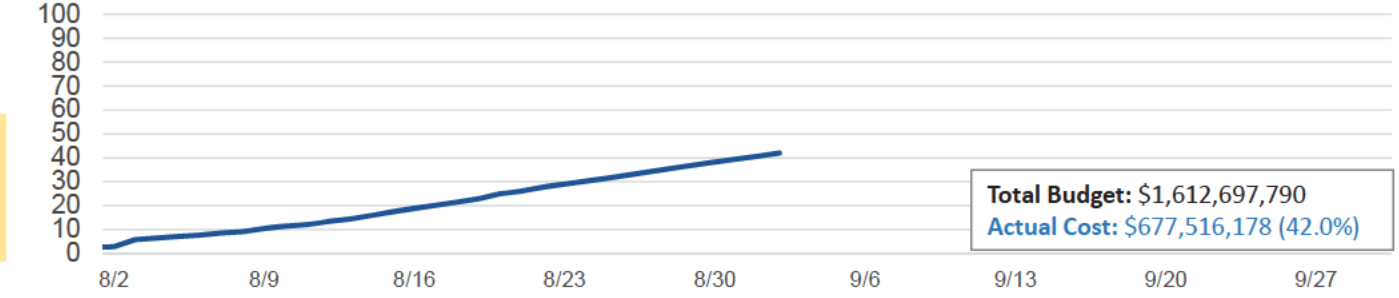
Cases Completed by Self-Response:
5,319,617 (13.7% of completed cases)

Remaining Workload:
23,442,480 cases

Case Progress for Field Enumeration



Actual Total Cost



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NRFU Progress Management

Executive Overview of Progress

Data as of: Multiple, see footnotes
Source: Multiple, see footnotes

Case Completion by Region

Region	Current Workload	Field Completed	%Field Completed	%Self-Response Completed	%AdRec Completed	%Other Completed	Total Cases Completed	%Total Cases Completed	Case Completion Goal
New York	9,924,428	4,536,101	45.71%	9.63%	10.21%	0.58%	6,562,133	66.12%	56.18%
Philadelphia	9,556,954	4,305,652	45.05%	8.12%	11.88%	0.39%	6,253,993	65.44%	55.89%
Chicago	8,964,662	4,251,354	47.42%	7.85%	12.20%	0.62%	6,103,537	68.08%	56.96%
Dallas	11,597,155	4,598,736	39.65%	8.88%	9.58%	0.76%	6,828,265	58.88%	52.97%
Los Angeles	9,314,242	4,669,441	50.13%	10.53%	12.01%	0.78%	6,842,440	73.46%	53.58%
Atlanta	12,865,906	4,063,489	31.58%	6.79%	9.12%	0.62%	6,190,499	48.12%	50.89%
Total	**62,223,347**	**26,424,773**	**42.47%**	**8.55%**	**10.68%**	**0.63%**	**38,780,867**	**62.33%**	**54.16%**

Data Source: Unified Tracking System - Executive Overview Report. Data as of 11:59PM yesterday. Includes progress for all case types.
Case completion includes cases closed by self-response, field work, or ACO closure.

NRFU Contact Strategy Phase Progression

	Phase 1	Phase 2	Closeout	Total CFS Areas	Phase 2 Eligible	Closeout Eligible
Number of CFS Areas	10,564	1,756	1,220	13,540	1,096	1,482
Percent of All CFS Areas	78.0%	13.0%	9.0%	100%	8.1%	10.9%

Data Source – MOJO NRFU HQ Production Progress Report as of this morning.

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Periodic Performance Management Reports

Enumerator Productivity

Data as of: 09/02/2020
Source: MOJO

Status:
On Track

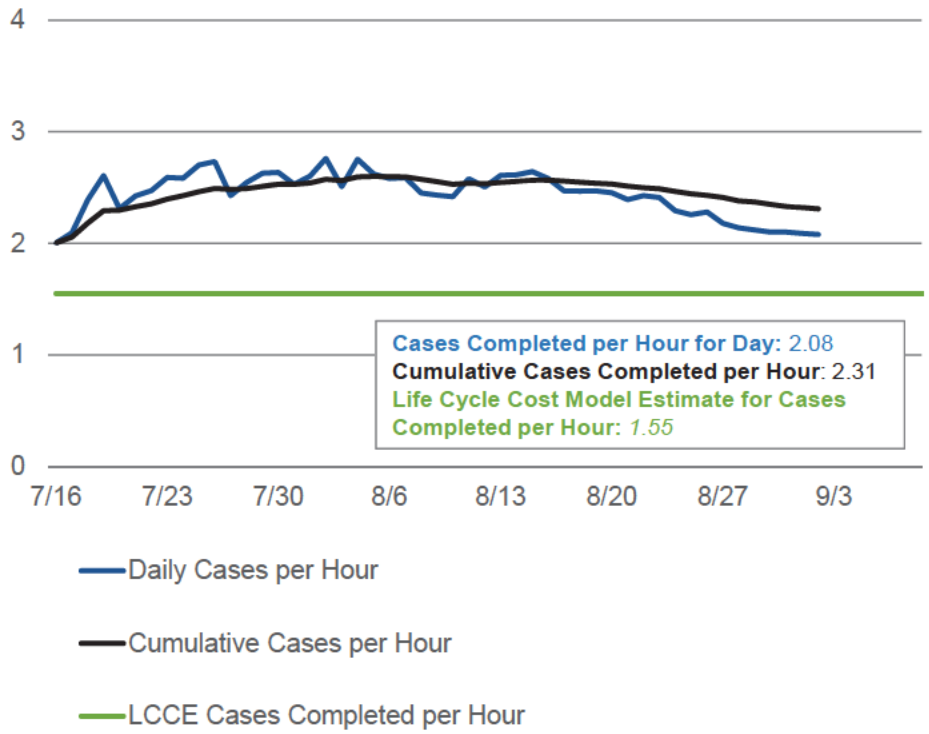
Data current as of:
September 02, 2020

Start Date:
July 16, 2020

Completion Date:
September 30, 2020

Notes:
Cases completed per hour include cases that were resolved by enumeration, ACO staff, administrative records, or self-response.

Productivity (Cases per Hour) for the NRFU Operation by Day



Cases Completed per Hour

Region	Day	Cumulative
New York	2.02	2.34
Philadelphia	2.08	2.42
Chicago	2.07	2.38
Dallas	2.27	2.30
Los Angeles	1.75	2.11
Atlanta	2.25	2.34
Total	2.08	2.31

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2020 Census HU Enumeration Progress by State

Data as of: 09/02/2020
Data Source: Census Data Lake and Unified Tracking System.

State*	% HUs that Self-Responded	% HUs Enumerated in NRFU	% HUs Enumerated Current Day	% HUs Enumerated Prior Day	Daily Change
U.S. Total	65.2%	19.7%	84.9%	84.1%	0.8%
Alabama	61.9%	13.8%	75.8%	75.0%	0.8%
Alaska	53.1%	34.6%	87.7%	87.2%	0.5%
Arizona	61.7%	14.5%	76.2%	75.3%	0.9%
Arkansas	59.5%	27.7%	87.2%	86.2%	1.0%
California	67.5%	21.4%	88.9%	88.1%	0.8%
Colorado	68.5%	17.7%	86.2%	85.5%	0.7%
Connecticut	69.3%	23.0%	92.3%	91.8%	0.5%
Delaware	62.8%	19.4%	82.2%	81.3%	0.9%
District of Columbia	61.6%	21.2%	82.8%	82.1%	0.8%
Florida	61.8%	16.6%	78.4%	77.4%	1.0%
Georgia	60.5%	15.3%	75.7%	74.9%	0.8%
Hawaii	61.8%	30.7%	92.6%	91.9%	0.7%
Idaho	68.7%	28.8%	97.5%	97.2%	0.3%
Illinois	69.8%	20.0%	89.8%	89.2%	0.6%
Indiana	69.2%	23.1%	92.3%	91.6%	0.7%
Iowa	70.0%	12.1%	82.0%	81.1%	0.9%
Kansas	68.8%	24.5%	93.3%	92.7%	0.6%
Kentucky	67.2%	16.0%	83.3%	82.6%	0.7%
Louisiana	58.5%	18.8%	77.3%	76.5%	0.8%
Maine	57.3%	35.4%	92.7%	92.0%	0.7%
Maryland	69.5%	19.2%	88.7%	88.2%	0.6%
Massachusetts	67.6%	21.1%	88.7%	88.0%	0.7%
Michigan	70.2%	14.9%	85.1%	84.2%	0.9%
Minnesota	74.1%	16.2%	90.3%	89.7%	0.6%
Mississippi	59.0%	17.7%	76.8%	75.9%	0.8%
Missouri	64.8%	24.6%	89.4%	88.6%	0.8%

State*	% HUs that Self-Responded	% HUs Enumerated in NRFU	% HUs Enumerated Current Day	% HUs Enumerated Prior Day	Daily Change
Montana	58.4%	18.3%	76.7%	75.8%	0.9%
Nebraska	70.7%	16.4%	87.0%	86.2%	0.8%
Nevada	64.6%	18.7%	83.3%	82.1%	1.2%
New Hampshire	65.4%	19.8%	85.2%	84.3%	0.9%
New Jersey	67.3%	17.1%	84.4%	83.6%	0.9%
New Mexico	56.0%	19.6%	75.6%	74.3%	1.3%
New York	61.5%	21.4%	83.0%	82.0%	1.0%
North Carolina	61.1%	17.1%	78.1%	77.1%	1.1%
North Dakota	64.1%	22.2%	86.3%	85.7%	0.7%
Ohio	69.3%	18.6%	87.9%	87.1%	0.7%
Oklahoma	59.5%	22.1%	81.6%	80.8%	0.8%
Oregon	68.0%	24.8%	92.8%	92.1%	0.7%
Pennsylvania	68.0%	20.0%	88.0%	87.3%	0.7%
Rhode Island	63.3%	22.4%	85.7%	84.9%	0.8%
South Carolina	59.1%	17.9%	77.0%	76.0%	1.0%
South Dakota	65.8%	17.6%	83.4%	82.5%	0.9%
Tennessee	64.5%	21.2%	85.7%	84.8%	0.9%
Texas	60.6%	20.9%	81.6%	80.5%	1.1%
Utah	69.7%	18.5%	88.2%	87.3%	0.9%
Vermont	59.1%	26.8%	85.9%	84.7%	1.2%
Virginia	69.7%	16.6%	86.4%	85.6%	0.7%
Washington	71.3%	22.4%	93.8%	93.2%	0.6%
West Virginia	55.7%	39.8%	95.4%	94.8%	0.6%
Wisconsin	71.3%	21.3%	92.6%	91.9%	0.7%
Wyoming	59.5%	22.6%	82.1%	81.1%	1.0%
Puerto Rico	32.7%	46.4%	79.1%	77.3%	1.8%

Note: Percentages may not sum due to rounding. A limited number of areas were part of the NRFU "soft launch" beginning July 16 and could have higher completion rates due to more time in the field. Percentages for the U.S. Total do not include housing units in Puerto Rico.

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Hiring Process for NPC Staff – NRFU Reinterview

As of: 09/03/2020

Wave	Training Date	Position Type	Total Staff Selected	Applicants that have Accepted	On-Boarded	Attended Training	Ready for Production	Production Goal
Wave 1	06/22/20A – 07/02/20A	Managing / Support[1]	60+	13	13	14	14	13
Wave 2	07/07/20A – 07/17/20	Matching Technician	200+	51	51	50	48	77
Wave 3	07/21/20 – 07/31/20	Matching Technician	100+	119	119	119	117	75
Wave 4	08/05/20 – 08/14/20	Matching Technician	0	82	82	82	77	75
Wave 5	08/18/20 – 08/28/20	Matching Technician	0	85	85	85	85	75
Total			360+	350	350	350	341	315

[1]The first training wave includes mostly RCC and PES Staff. The total staff trained in this wave is 39, however, only 13 of them will work on NRFU RI clerical resolution.

In cautious response to COVID-19 the training waves will be delayed to meet the new timing of the NRFU operation.

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2020 NRFU Reinterview Overview

NRFU Reinterview Progress – Enumerators

Note: These data may differ from other reports due to time lag.

Data as of: 9/3/2020, 2 am
Source: SMaRCS

Enumerators*	Selected for RI	Completed RI	Outcome
259,941	1 or more Cases	1 or more Cases	Acceptable
	87.1%	58.1%	99.96%
	226,444	131,569	131,516
	0 Cases	0 Cases	RCC Fail
	12.9%	41.9%	0.04%
	33,497	94,875	53

*With at least one NRFU HH case completed.

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2020 NRFU Reinterview Overview

NRFU Reinterview Progress – Case Level

Note: These data may differ from other reports due to time lag.

Data as of: 9/3/2020, 2 am
Source: SMaRCS

Production[1]	RI Eligibility	RI Selection	RI Interview	Computer Match	Clerical Match
19,180,774	Eligible	Selected	Interviewed	Referred to Clerical	Completed
	72.6%	4.9%	45.7%	45.1%	92.0%
	13,929,889	688,099	314,714	141,929	130,557
	Confirmed by Admin Records	Not Selected		Pass	In progress
	16.4%	95.1%		54.9%	8.0%
	3,142,702	13,241,790		172,785	11,372
	Other Ineligible				
	11.0%				
	2,108,183				
Completed:	19,180,774	13,929,889	314,714	314,714	141,929

[1] Cases completed and received by SMaRCS.

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2020 NRFU Reinterview Overview

NRFU Reinterview Outcomes

Note: These data may differ from other reports due to time lag.

Data as of: 9/3/2020, 2 am
Source: SMaRCS

NRFU RI Outcomes	Today		Last Week		Change Since Last Week
	Count	Percent	Count	Percent	Count
Total Cases Completed Coding	303,342	-	204,990	-	98,352
Passed	279,108	92.0%	191,174	93.3%	87,934
Pass Computer	*172,785*	*61.9%*	*125,634*	*65.7%*	*47,151*
Pass Clerical	*106,323*	*38.1%*	*65,540*	*34.3%*	*40,783*
Failed Clerical	24,202	8.0%	13,796	6.7%	10,406
Hard Fail Recommendation	32	0.01%	20	0.01%	12

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2020 NRFU Reinterview Overview

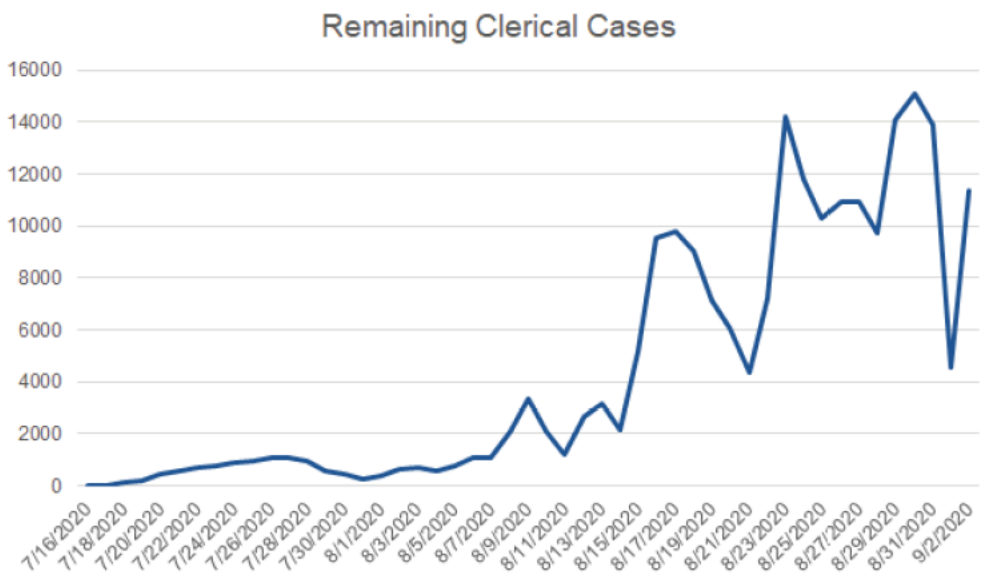
NRFU RI Clerical Resolution Progress

Note: These data may differ from other reports due to time lag.

Data as of: 9/3/2020, 2 am
Source: SMaRCS

Overall Progress	Overall
Total Clerical Cases	141,929
Cases Worked	130,557
Cases Remaining	11,372
Average Cases Per Day in the Last Week	7,314
Cases Worked Yesterday	5,060
Clerks[1]	360

[1] Any clerk who worked at least one case during the operation.



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2020 NRFU Reinterview Overview

NRFU FV QC Results – Case Level

Note: These data may differ from other reports due to time lag.

Data as of: 9/3/2020, 2 am
Source: SMaRCS

FV QC Case Level Progress	FV	
	Count	Percent
Completed Production	151,694	-
Selected for QC	7,636	5.0%
Completed QC and Computer Match[1]	6,739	88.3%
Passed	5,464	81.1%
Failed[2]	899	13.3%

Notes:
1. Pass and Fail counts may not add to the total number of computer matches due to QC cases going out for a second QC.
2. The MAF will get data from the FV QC case when the case fails QC.

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Administrative Record Modeling

As of: 09/03/2020

September Modeling Results

	August Statuses of 7/30 universe	Additional Cases 7/30 universe in September	September Statuses of 7/30 Universe	September Status of 8/30 Universe
AdRec Determination	Housing Units	Housing Units	Housing Units	Housing Unit
Total	56,955,559		56,955,559	32,872,054
Vacant	9,121,807	+2,355	9,124,162	4,425,108
Delete	3,410,521	+1,469	3,411,990	1,166,973
Occupied	9,067,999	+89,218	9,157,217	6,223,183
Closeout Occupied	1,595,700	+30,417	1,626,117	920,307
Closeout Vacant	908,595	+25,370	933,965	534,941
Closeout Delete	159,724	+3,116	162,116	82,562
No Determination	32,691,213	-151,945	32,539,268	19,518,980[a]

Note: 7/30 universe addresses are based on addresses without validated data or had not mailed back a questionnaire as of July 30, 2020. (7/30 3501 workload)
8/30 universe addresses are based on addresses without valid data or resolved NRFU event codes (8/30 3503 workload)
Footnote a: 384,756 vacant and 379,505 delete addresses with low occupancy rates identified in August and September in this row will have an administrative record response generated since part of closing these cases was making them self-response vacant.

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Hiring Process for Field Staff – Regional Summary

Data as of: 09/03/2020
Source: DAPPS, LMS, Hermes

NRFU CFS

RCC	Hired	Started Online Training	Completed Assessment – Still on Roster	Core Number Needed
New York	2,722	4,140	3,297	2,666
Philadelphia	3,009	3,551	2,594	2,267
Chicago	2,614	3,010	2,369	2,004
Atlanta	3,367	4,396	3,426	3,018
Dallas	3,267	4,307	3,410	2,774
Los Angeles	2,913	4,016	2,999	2,294
Total	**17,892**	**23,420**	**18,095**	**15,023**

NRFU Enumerators

RCC	Assigned Training	Started Online Training	Completed Assessment – Still on Roster	Core Number Needed	Active in FOCS	With Work Availability	With an Assignment
New York	76,447	67,715	51,640	53,320	48,214	27,902	24,898
Philadelphia	59,580	53,027	39,581	45,340	36,683	22,039	20,418
Chicago	57,685	51,469	41,086	40,080	37,807	22,612	20,264
Atlanta	65,594	58,007	44,772	60,360	40,549	26,835	26,343
Dallas	58,931	53,358	41,995	55,480	38,465	25,172	24,160
Los Angeles	69,222	62,219	41,720	45,880	31,332	21,750	19,052
Total	**387,459**	**345,795**	**260,794**	**300,460**	**233,050**	**146,310**	**135,135**

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Hiring Process for Field Staff – Soft Launch Summary

Data as of: 09/03/2020
Source: DAPPS, LMS, Hermes

NRFU CFS

Cycle	Hired	Started Online Training	Completed Assessment – Still on Roster	Core Number Needed
Cycle 1A	446	723	555	465
Cycle 1B	412	507	377	328
Cycle 2	2451	3395	2548	2,032
Cycle 3	2646	3371	2560	2,178
Full Launch	11937	15424	12055	10,020
Total	**17,892**	**23,420**	**18,095**	**15,023**

NRFU Enumerators

Cycle	Assigned Training	Started Online Training	Completed Assessment – Still on Roster	Core Number Needed	Active in FOCS	With Work Availability	With an Assignment
Cycle 1A	13,284	12,072	7,989	9,300	6,343	3,670	3,258
Cycle 1B	9,161	8,323	5,944	6,560	5,236	2,930	2,465
Cycle 2	59,604	53,808	40,561	40,640	35,575	21,527	18,159
Cycle 3	61,650	53,959	41,554	43,560	38,791	22,380	19,978
Full Launch	243,760	217,633	164,746	200,400	147,105	95,803	91,275
Total	**387,459**	**345,795**	**260,794**	**300,460**	**233,050**	**146,310**	**135,135**

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As of: 09/03/2020

2020 NRFU Production System Updates

Open Incidents

- INC000001187149 - SMaRCS batch process is stuck/running slow. Issue was resolved on 9/2, RI workload was sent to FOCS successfully. Monitoring in progress.

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Questions?

Thanks!

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Back Up Slides

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Periodic Performance Management Reports

2020 Census: Nonresponse Followup Progress and Cost – Soft Launch*

Data as of: 09/02/2020
Source: Unified Tracking System
*Data are aggregated for all ACOs currently in the soft launch to date regardless of cycle.

Status:
On Track

Data current as of:
September 02, 2020

Start Date:
July 16, 2020

Completion Date:
September 30, 2020

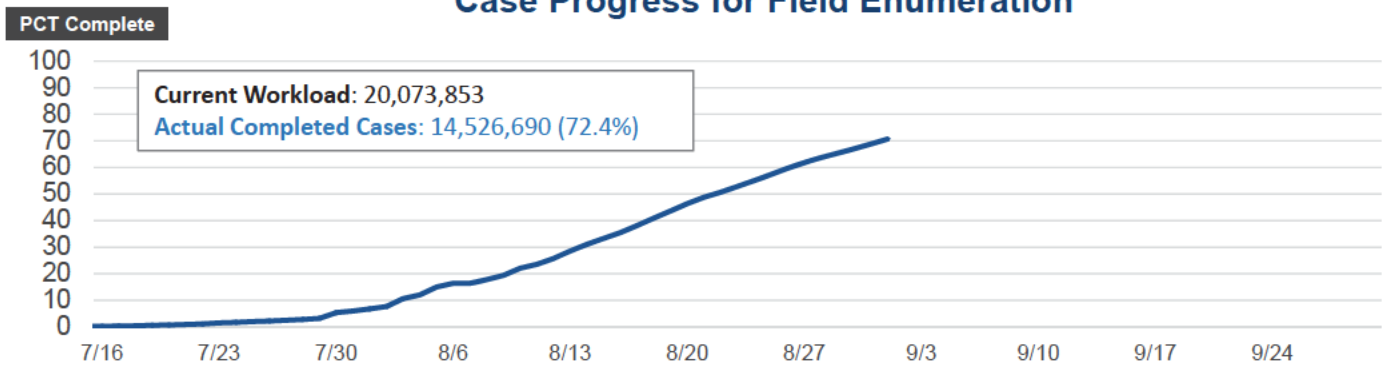
Notes:
Current workload reflects all case types. Costs include training and production costs for NRFU Enumerators and CFS.

Soft Launch Cycles included:
1A, 1B, 2, & 3

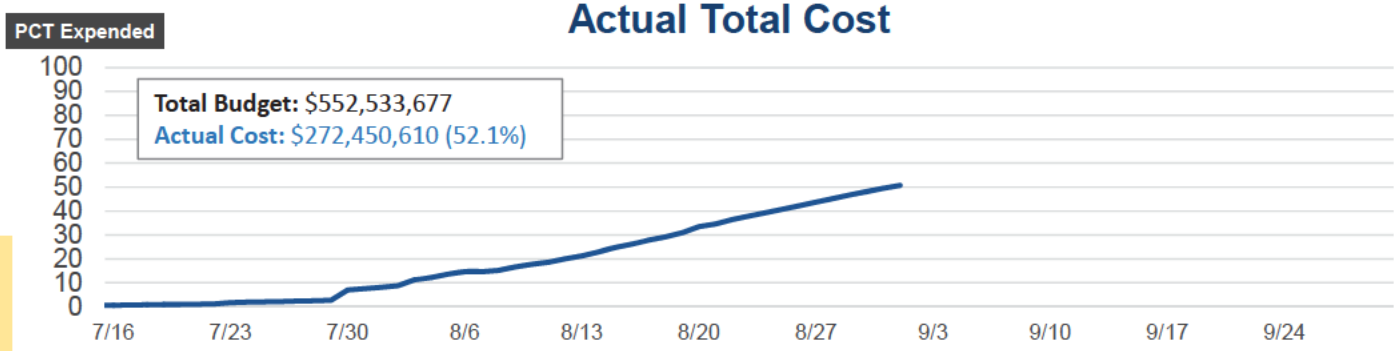
Cases Completed by Self-Response:
1,853,967 (12.8% of completed cases)

Remaining Workload:
5,547,163 cases

Case Progress for Field Enumeration



Actual Total Cost



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2020 Census HU Enumeration Progress by State – Column Definitions

State	Column includes Puerto Rico and the District of Columbia. The U.S. total excludes data for PR.
Percent of HUs that Self-Responded	The number of self-responding housing units as reported in the response rate map.
Percent of HUs Enumerated in NRFU	The percent of total housing units that have been resolved in the field during NRFU (excludes self-response). Cases completed in the field for Update Enumerate and Remote Alaska are included in this rate to ensure coverage of the full housing unit universe. This rate does not reflect the progress within the NRFU operation as it is relative to total housing units and not just the NRFU workload.
% HUs enumerated Prior Day	The cumulative percent of total housing units enumerated via self-response or during the NRFU operation as of 11:59 p.m. two days prior to the reporting date. This rate will always increase.
% HUs Enumerated Current Day	The cumulative percent of total housing units enumerated via self-response or during the NRFU operation as of 11:59 p.m. of the previous day. This rate will always increase.
Daily Change	The percentage point difference between the percent enumerated in the prior day's report and today's report.

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Pre-decisional - Internal Only - Not for Public Distribution
United States Census 2020

DRB Approval Number: CBDRB-FY21-DSEP-002

NRFU Workload Summary

As of: 07/08/2020

Workload Component (ID)	Workload Size: On Initial Creation Date	Additions to Date	Data Source: UTS NRFU Executive Overview Report. As of 07/08/20: Completed to Date	Open Today	on 08/10/20 (estimated)	Notes
NRFU Production (3202)	43,704,852	0	Not tracked at this level of component.	Not tracked at this level of component.	Not estimated at this level of detail. See summation below.	(a) Includes AdRec Occupied and No-Determination Cases (b) Addtions can occur from reverse check-ins and NRFU Adds
Vacant/Delete W/UAA (3221)	9,039,815					These cases receive a default of 1 visit unless the enumerator finds signs of occupancy. If so, the case receives 6 visits.
Vacant/Delete W/O UAA (3214)	2,550,831					These cases receive a default of 6 visits.
UL Cases in NRFU (3209)	3,651,168	0				The UL operation may add cases which would appear in this workload.
NRFU Supplemental (3215)	1,077,387					
Subtotal ("NRFU" cases in UTS)	60,024,053	0	472,732	59,551,321		(a) Includes AdRec Occupied and No-Determination Cases (b) Addtions can occur from reverse check-ins and NRFU Adds (c) Completions can occur in the field or via self-response
NRFU Manager Visit (3203)	231,783		45	231,738		Due to outcomes related to COVID-19 re-plan, manager visit cases will be closed prior to the start of the soft launch. All individual cases in these multiunits will be available for enumeration on 07/16/20.
Field Verification (3205)	N/A	0	0	N/A		Estimated total workload over the entire NRFU operation timeline = 170,000 cases.
Subtotal ("Initial Production NRFU Workload" in Workload Estimate)	60,255,836	0	472,777	59,783,059	56,358,933	
SRQA Recollect	6,591	0	1	6,590	Not estimated at this level of detail.	Estimated total workload over the entire NRFU operation timeline = 750,000 cases
Total NRFU Reinterview Workload	18	0	5	13	2,930,665	
NRFU RI (3210)	18	0	5	13	Not estimated at this level of detail. See summation above.	Reinterview workloads are ~5% of the corresponding production workload. These workloads are created daily.
NRFU Manager Visit Reinterview (3211)	N/A	0	0	N/A		
Field Verification QC (3206)	N/A	0	0	N/A		
Total NRFU Workload	60,262,445	0	472,783	59,789,662	59,289,598	Includes all components of the NRFU workload.

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Expected Workload - NRFU

As of: 06/12/2020

Actuals in Green

Initial Workload Creation	Total	TEA 1 (Mailable Housing Units)	TEA 6 (Hand Delivery Areas)
Initial Housing Unit Universe	149,681,571	142,865,554	6,816,017
Self-Response Projection on 08/10/20	63.6%	64.2%	51.1%
Subtotal - Initial NRFU Workload	54,476,166	51,145,868	3,330,298
Additions Prior to NRFU Start			
NRFU Supplemental Addresses	1,514,196	1,448,686	65,510
Self-Response Projection on 08/10/20	26.2%	25.0%	52.6%
Subtotal - NRFU Supplemental Additions	1,117,566	1,086,515	31,052
TEA 1 Unmailable Addresses	748,390		
NRFU Supplemental TEA 1 Unmailable Addresses	16,811		
Total Additions Prior to NRFU Start	1,882,767	1,851,716	
Total Initial Production NRFU Workload (Cut Date 07/27/20)	**56,358,933**	52,997,584	3,361,350
NRFU Reinterview Workload (5% of Production)	2,817,947		
NRFU Rework Workload (0.2% of Production)	112,718		
Total NRFU QC Workload	2,930,665		

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Administrative Record Modeling

As of: 05/27/2020

May Modeling Results*

AdRec Determination	Housing Units	Self-Response TEA1	Update/Leave TEA6
Vacant	9.30 M	8.29 M	1.02 M
Delete	3.11M	3.06 M	0.05M

*The May modeling results were delivered on May 27, 2020 and only include the two administrative record determinations outlined above.

- AR Vacant or Delete addresses are eligible for one visit if the June 12th in-home postcard mailing is Undeliverable-As-Addressed.
- AR Occupied addresses will be identified before the start of the NRFU operation

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Administrative Record Modeling

As of: 06/22/2020

June Modeling Results

AdRec Determination	Housing Units	Self-Response TEA1	Update/Leave TEA6
Vacant	8,761,927	7,762,187	999,740
Delete	2,903,054	2,857,988	45,066
Occupied	9,639,974	9,385,840	254,134
No Determintation	40,836,117	37,628,313	3,207,804

Note:Addresses in table are addresses without validated data or had not mailed back a questionnaire as of May 18, 2020.

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Administrative Record Modeling

As of: 07/15/2020

July Modeling Results

	June	July
AdRec Determination	Housing Units	Housing Units
Vacant	8,761,927	8,762,817
Delete	2,903,054	2,903,119
Occupied	9,639,974	10,060,404
Closeout Occupied	-	887,251
No Determination	40,836,117	39,527,481

Note: Addresses in table are addresses without validated data or had not mailed back a questionnaire as of May 18, 2020.

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Administrative Record Modeling

As of: 08/10/2020

August Modeling Results

	July status using 5/18 universe	July statuses using 7/30 universe	Additional Cases in August	August Statuses of 7/30 universe
AdRec Determination	Housing Units	Housing Units	Housing Units	Housing Units
Total	62,141,072	56,955,559	-	56,955,559
Vacant	8,762,817	8,502,671	+619,136	9,121,807
Delete	2,903,119	2,889,038	+521,483	3,410,521
Occupied	10,060,404	8,371,284	+696,715	9,067,999
Closeout Occupied	887,251	769,759	+825,941	1,595,700
Closeout Vacant	-	-	+908,595	908,595
Closeout Delete	-	-	+159,724	159,724
No Determination	39,527,481	36,422,807	-3,731,594	32,691,213

Note: 5/18 universe in table are addresses without validated data or had not mailed back a questionnaire as of May 18, 2020.
7/30 universe addresses are based on addresses without validated data or had not mailed back a questionnaire as of July 30, 2020.

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