

# 2020 Census Update Leave Weekly Update

OD 9.b

7/28/2020

Julia Lopez, Ross Stephenson, Kim Canada, Mike Cina

# Update Leave Schedule and Progress

## Key Dates:

Activity	Start	Finish
Conduct Update Leave Production	05/06/2020 (A)	07/07/2020
Conduct Update Leave Quality Control	05/18/2020 (A)	07/20/2020

## Current Progress:

- 99.48% blocks complete, 99.71% original addresses complete
- 164 ACOs production complete, 163 ACOs QC complete
- 5 ACOs Incomplete
  - 20,022 remaining original addresses
  - 15 AIAs incomplete
  - 1 ACO incomplete due to Military

## Quality Control:

- 23,141 BCUs selected, 22,993 BCUs completed
- 50.0% BCU failure rate, 7.9% weighted address level error rate

# Update Leave Processing, PR Responses and System Status

MAF/TIGER Processing:

BCU (Block) Processing	% Blocks	% Addresses
Received from LiMA	99.42%	99.67%
Processed in Preprocessing	99.42%	n/a
Run Through MAF Updating	99.39%	108.76%

Puerto Rico Self Response:

- 16.00% complete (14.26% internet, 0.87% paper, 0.87% phone)
- 273,462 UL Paper Questionnaires from PR have been checked in to ATAC.

UL System Status:

- Reminder postcard workload (3306) cut on 7/4, delivered to print vendor on 7/9
  - Postcards started printing on 7/13 and sent to USPS 7/14-7/15.
  - 4,785,044 total addresses mailed. 506,366 not linked.
  - In-home target delivery was on 7/17 and about 2.5 million postcards were delivered.
- One minor incident; does not impact production. Workloads cutting as expected.

# Backup Slides

# Key Dates

Activity	Start	Finish
Conduct Refresher Training	04/27/2020 (A)	05/03/2020 (A)
Un-Pause ACOs that opened May 18th		05/16/2020 (A)
Activate MOJO Optimizer for ACOs that opened May 18th		05/17/2020 (A)
Conduct QC Enumerator Capstone Training- ACOs that opened May 18th	05/28/2020 (A)	05/28/2020 (A)
	05/29/2020 (A)	05/29/2020 (A)
	05/30/2020 (A)	05/30/2020 (A)
Un-Pause ACOs that opened May 25th		05/23/2020 (A)
Activate MOJO Optimizer for ACOs that opened May 25th		05/25/2020 (A)
Conduct QC Enumerator Capstone Training- ACOs that opened May 25th	06/04/2020 (A)	06/04/2020 (A)
	06/05/2020 (A)	06/05/2020 (A)
	06/06/2020 (A)	06/06/2020 (A)
Un-Pause ACOs that opened June 1st		05/30/2020 (A)
Activate MOJO Optimizer for ACOs that opened June 1st		05/31/2020 (A)
Conduct QC Enumerator Capstone Training- ACOs that opened June 1st	06/11/2020 (A)	06/11/2020 (A)
	06/12/2020 (A)	06/12/2020 (A)
	06/13/2020 (A)	06/13/2020 (A)
Un-Pause ACOs that opened June 8th		06/06/2020 (A)
Activate MOJO Optimizer for ACOs that opened June 8th		06/07/2020 (A)
Conduct QC Enumerator Capstone Training- ACOs that opened June 8th	06/18/2020 (A)	06/18/2020 (A)
	06/19/2020 (A)	06/19/2020 (A)
	06/20/2020 (A)	06/20/2020 (A)
Conduct Update Leave Production	05/06/2020 (A)	07/07/2020
Conduct Update Leave Quality Control	05/18/2020 (A)	07/20/2020

# Current Production Status - Progress

RCC	Block Workload	Blocks Assigned	% of Block Wkld Assigned	Blocks Compl	% Blks Compl	Orig Addresses	Orig Addr Compl	% of Orig Addr Compl in Blk Wkld
<b>Total</b>	311,358	310,556	99.74%	309,735	99.48%	6,805,523	6,785,501	99.71%
Atlanta/2999	30,170	30,170	100.00%	30,170	100.00%	737,836	737,836	100.00%
Chicago/2599	32,431	32,431	100.00%	32,431	100.00%	591,628	591,628	100.00%
Dallas/3199	108,869	108,067	99.26%	107,246	98.51%	1,669,479	1,649,457	98.80%
Los Angeles/3299	37,532	37,532	100.00%	37,532	100.00%	756,609	756,609	100.00%
New York/2299 (Stateside)	24,849	24,849	100.00%	24,849	100.00%	630,528	630,528	100.00%
New York/2299 (Puerto Rico)	45,578	45,578	100.00%	45,578	100.00%	1,776,226	1,776,226	100.00%
Philadelphia/2399	31,929	31,929	100.00%	31,929	100.00%	643,217	643,217	100.00%

Data as of 7/28/20

164 ACOs have completed their Production Workload, 163 ACOs have completed Prod and QC.

# ACOs Remaining-Production Workload

RCC	State	ACO	Week of Restart	BCU Workload	% Blks Compl	Orig Addresses	% of Orig Addr Compl in Blk Wkld
DA	MT	Billings/3160*	5/4/20	7,821	95.72%	112,978	96.77%
DA	ND	Bismarck/3162	5/4/20	3,400	99.47%	41,666	98.85%
DA	AZ	Flagstaff/3105*	5/18/20	5,475	90.17%	87,506	94.00%
DA	NM	Albuquerque/3164*	5/25/20	6,110	93.88%	110,944	95.30%
DA	AZ	Window Rock/3110	6/8/20	8,375	95.73%	76,821	92.93%

\*ACO has block(s) where areas are currently inaccessible

Data as of 7/28/20

# UL QC Results—Cumulative

	This Week	Last Week	Final AdCan Results	Final IL Results
BCUs Selected for QC	23,141	23,102	123,361	2,158
BCUs Completed QC	22,993	22,937	123,361	2,158
Enumerator Error Rate, BCU Level (Unweighted)	50.0%	50.0%	36.3%	45.7%
Enumerator Error Rate, BCU Level (Weighted)	45.5%	45.5%	34.8%	41.0%
Addresses Checked in QC	581,811	580,589	3,425,283	96,647
Enumerator Error Rate, Address Level (Weighted)	7.9%	7.9%	4.3%	11.1%
Percent of Enumerators Selected	60.1%	60.1%	84%	69.3%
Percent of Enumerators Checked	99.6%	99.6%	100%	100.0%
Percent with 0 Failed BCUs	33.4%	33.4%	27%	36.9%
Percent with 5+ Failed BCUs	2.2%	2.2%	12%	1.6%

SMaRCS Data as of 07/27/20 These results may differ from UTS reports  
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# QC Results – Coverage Errors by Sampling Stratum

Simulated Enumerator's Coverage Error	Low Stratum	Middle Stratum	High Stratum	Overall	Final AdCan Results	Final IL Results
Missed Adds	32.0	30.8	33.0	31.8	15.7	63.0
Missed Deletes	27.1	38.4	53.4	30.8	18.6	46.1*
Incorrect Deletes	11.0	15.2	16.7	12.2	7.3	—

Calculated per 1,000 units worked in production

\*In IL, this error is an incorrect add and not a missed delete.

# QC Sampling Results – BCUs Distribution Across Sampling Stratum

BCUs	Low Stratum (5% sample rate, 2% sample rate)*		Middle Stratum (10% sample rate)		High Stratum (100% sample rate)		Total
	Count	Percent	Count	Percent	Count	Percent	Count
Completed in Production	253,967	82.0%	45,176	14.6%	10,474	3.4%	309,617
Selected for QC*	7,534	32.6%	5,578	24.1%	10,029	43.4%	23,141
Selected During 100%	1,907	50.9%	1,397	37.3%	443	11.8%	3,747
Sampling Pre-Change	1,585	29.5%	918	17.1%	2,879	53.5%	5,382
Sampling Post-Change	4,042	28.9%	3,263	23.3%	6,707	47.9%	14,012
Completed in QC	7,481	32.5%	5,543	24.1%	9,969	43.4%	22,993
Failed QC (Unweighted‡)	2,967	40.3%	2,922	53.3%	5,416	55.5%	11,305
Failed QC (Weighted)	—	43.6%	—	53.9%	—	55.5%	45.5%

Sampling was changed beginning 5/15

SMaRCS Data as of 07/27/20 These results may differ from UTS reports

\*3,439 BCUs were removed from the QC workload

‡Percent of Pass Plus Fail in QC

# Update Leave MAF/TIGER Processing

BCU (Block) Processing	Counts	Percent of Universe	Increase from 07/21
Total Blocks in Update Leave Universe	<b>311,358</b>		
Total Blocks Received from LiMA	309,553	99.42%	1,496
Total Blocks Processed in Preprocessing	309,553	99.42%	1,496
Total Blocks Run Through MAF Updating	309,469	99.39%	46,731

Address Record Processing	Counts	Percent of Universe	Increase from 07/21
Total Addresses Received from LiMA	6,817,337	99.67%	11,751
Total Addresses Run Through MAF Updating	7,438,936	108.76%	2,002,605

Data as of 7/28/20

# Update Leave: Frame Summary

Address Action	Total		50 States		Puerto Rico	
	Number	Percent	Number	Percent	Number	Percent
Add	740,328	9.8	505,056	9.1	235,272	11.7
Verify	2,592,283	34.3	2,011,311	36.3	580,972	28.8
Address Changes	1,851,382	24.5	1,140,161	20.6	711,221	35.3
Other Corrections	682,536	9.0	582,925	10.5	99,611	4.9
Delete	1,099,312	14.5	839,278	15.1	260,034	12.9
Duplicate	293,056	3.9	192,664	3.5	100,392	5.0
Non-residential	101,810	1.3	88,412	1.6	13,398	0.7
Conversions to Group Quarters	11,077	0.1	9,339	0.2	1,738	0.1
Conversions to Transitory Locations	67,193	0.9	65,741	1.2	1,452	0.1
Unable to Work	117,653	1.6	107,365	1.9	10,288	0.5
<b>Total Address Records</b>	<b>7,556,630</b>	<b>100.0</b>	<b>5,542,252</b>	<b>100.0</b>	<b>2,014,378</b>	<b>100.0</b>
Number of BCUs	309,469		263,891		45,578	

Note: QC results are incorporated into these results. Data indicate the final field actions.

# Update Leave: Types of Addresses Being Confirmed

- Units being confirmed by UL include Verifies, Changes, and Corrections.
- In 309,469 completed BCUs,

50 States: (263,891 BCUs)

- 68.5 percent of the 654,527 addresses added or verified by LUCA are confirmed
- 81.3 percent of the 952,884 addresses that were residential on the latest DSF are confirmed
- 78.3 percent of the 4,094,240 addresses that were in the 2010 Census are confirmed
- For confirmed records, 98.9 percent of accepted map spots remain within same BCU, 1.1 percent moving between BCUs

Puerto Rico: (45,578 BCUs)

- 71.3 percent of the 60,363 addresses added or verified by LUCA are confirmed
- 76.4 percent of the 704,786 addresses that were residential on the latest DSF are confirmed
- 84.9 percent of the 1,566,797 addresses that were in the 2010 Census are confirmed
- For confirmed records, 97.5 percent of accepted map spots remain within same BCU, 2.5 percent moving between BCUs

# Update Leave: Types of Addresses Being Removed

- Units being removed from Census frame (Removals) include Deletes, Duplicates, and Non-residential

## 50 States: (263,891 BCUs)

- 27.2 percent of the 654,527 addresses added or verified by LUCA are removed
- 16.8 percent of the 952,884 addresses that were residential on the latest DSF are removed
- 18.6 percent of the 4,094,240 addresses that were in the 2010 Census are removed

## Puerto Rico: (45,578 BCUs)

- 27.2 percent of the 60,363 addresses added or verified by LUCA are removed
- 23.0 percent of the 704,786 addresses that were residential on the latest DSF are removed
- 14.4 percent of the 1,566,797 addresses that were in the 2010 Census are removed

- Duplicates

## 50 States

- 50.9 percent of Duplicates linked non-DSF record with a DSF record
- 2.9 percent of Duplicates linked two DSF records

## Puerto Rico

- 69.9 percent of Duplicates linked non-DSF record with a DSF record
- 6.9 percent of Duplicates linked two DSF records

# Update Leave: Coverage Changes

- 50 States:

# BCUs received to date: 263,891

- 32.4 percent of BCUs have no adds
- 8.4 percent of BCUs have no removals
- 22.1 percent of BCUs have no adds and no removals
- 181 BCUs have > 100 adds
- 141 BCUs have > 200 removals
- 8,828 adds and deletes exact match\* in different BCUs

\*Exact matching, not done in Puerto Rico, is for preliminary analysis only and does not reflect production matching performed during MAF update.

- Puerto Rico:

# BCUs received to date: 45,578

- 19.9 percent of BCUs have no adds
- 10.5 percent of BCUs have no removals
- 13.7 percent of BCUs have no adds and no removals
- 155 BCUs have > 100 adds
- 92 BCUs have > 200 removals

# Summary Self-Response – Puerto Rico

Mode	% of All Responses	Response Volume	% of Universe Responses*
<b>Total Self-Responses</b>	<b>100%</b>	<b>284,190</b>	<b>16.00%</b>
Internet	89.14%	253,329	14.26%
Paper	5.43%	15,425	0.87%
Phone	5.43%	15,436	0.87%

\*Percent is based on the Original Address list of Puerto Rico (1,776,226 HU)

Data as of 7/28/20

- 273,462 UL Paper Questionnaires from PR have been checked in to ATAC.

# AIA Update

- There are 186 Federally Recognized Tribes that are a part of the UL field operation.
- There are 300 AIAs in FOCS under the Update Leave module (includes Hawaiian Homelands).
  - 19 AIAs appear in multiple ACOs
- 129 of the 300 AIAs do not have a Census employee hired for UL.
  - The 129 AIAs are within 36 ACOs
  - 73 open, 47 closed, 9 no status

UL Progress Status:	7.28.20
ACOs Completed (Production Workload)	164
Number of ACOs Completed (PROD WKLD) with AIAs	57
<b>AIAs that Completed Production Workload within Completed ACOs</b>	<b>256</b>
AIAs Completed (PROD WKLD) with Staff	145
AIAs Completed (PROD WKLD) w/o Staff	111

# UL System Status

- UL WL 3306 (Postcard) cut on 7/4
- GQ and TL workloads now being cut daily
- Incidents
  - INC565612 (CDL) Update to CDL->DRPS sends for multiple 4.083 events with same CUSTID and distinct RSCID – logic update for UL Non-ID - targeted to PROD 7/30/20

# ACOs Production Complete

RCC	State	ACO	BCUs Completed	Original Addresses Completed
AT	AL	Birmingham/2904	1,254	30,819
AT	AL	Huntsville/2905	822	19,661
AT	AL	Mobile/2906	1,369	31,472
AT	FL	Fort Lauderdale/2967	68	4,383
AT	FL	Fort Myers/2968	581	23,007
AT	FL	Gainesville, FL/2969	829	17,779
AT	FL	Jacksonville/2970	50	1,621
AT	FL	Lakeland/2971	1,035	32,761
AT	FL	Lauderdale Lakes/2966	309	9,090
AT	FL	Miami North/2972	47	4,609
AT	FL	Miami South/2973	146	7,269
AT	FL	Ocala/2974	567	13,747
AT	FL	Orange County/2975	216	13,622
AT	FL	Pensacola/2976	755	19,589
AT	FL	Seminole County/2977	123	4,265
AT	FL	St. Petersburg/2978	308	10,792
AT	FL	Tampa/2979	128	5,087
AT	FL	West Palm Beach/2980	88	4,250

RCC	State	ACO	BCUs Completed	Original Addresses Completed
AT	GA	Atlanta/2910	75	6,199
AT	GA	Columbus/2981	2,140	38,583
AT	GA	DeKalb County/2982	74	3,315
AT	GA	Douglasville/2983	104	3,154
AT	GA	Gainesville, GA/2984	723	20,045
AT	GA	Gwinnett County/2985	159	5,565
AT	GA	Macon/2986	315	6,895
AT	GA	Savannah/2987	1,294	28,161
AT	LA	Baton Rouge/2988	1,248	24,269
AT	LA	Jefferson Parish/2989	872	22,181
AT	LA	New Orleans/2990	273	7,204
AT	LA	Shreveport/2991	2,143	37,793
AT	MS	Gulfport/2901	1,210	24,380
AT	MS	Jackson/2902	1,951	30,119
AT	NC	Asheville/2992	2,030	45,579
AT	NC	Charlotte/2993	86	4,374
AT	NC	Durham/2994	198	6,442
AT	NC	Fayetteville/2995	1,064	28,196

Data as of 7/27/20

## ACOs Production Complete (cont.)

RCC	State	ACO	BCUs Completed	Original Addresses Completed
AT	NC	Greenville, NC/2996	2,237	62,600
AT	NC	Raleigh/2997	319	7,676
AT	NC	Winston-Salem/2998	398	9,908
AT	SC	Charleston/2907	1,226	38,629
AT	SC	Columbia/2908	874	14,104
AT	SC	Greenville, SC/2909	462	8,642
CG	AR	Fayetteville/2556	1,300	21,757
CG	AR	Little Rock/2557	3,308	55,959
CG	IL	Peoria/2566	1,002	16,612
CG	IL	Springfield/2568	1,814	26,215
CG	IN	Evansville/2569	667	11,148
CG	IN	Ft. Wayne/2570	893	13,912
CG	IN	Lake County/2572	1,007	14,082
CG	IA	Des Moines/2558	825	14,050
CG	MI	Detroit/2573	139	3,955
CG	MI	Lansing/2574	160	3,264
CG	MI	Macomb County/2575	114	2,596
CG	MI	Traverse City, MI/2576	5,019	96,955

RCC	State	ACO	BCUs Completed	Original Addresses Completed
CG	MN	Duluth/2578	4,544	76,481
CG	MN	Rochester/2580	650	10,225
CG	MO	Kansas City/2581	1,163	17,774
CG	MO	Springfield/2582	5,222	110,142
CG	MO	St. Louis/2583	66	3,102
CG	WI	Eau Claire/2584	3,439	69,015
CG	WI	Green Bay/2585	472	12,710
CG	WI	Madison/2586	627	11,674
DA	AZ	Maricopa Central/3106	52	1,124
DA	AZ	Maricopa South/3107	10	409
DA	AZ	Maricopa West/3108	256	3,564
DA	AZ	Tucson/3109	4,831	83,666
DA	CO	Aurora/3154	130	1,678
DA	CO	Colorado North/3155	3,983	102,246
DA	CO	Colorado Springs/3156	5,144	89,968
DA	CO	Denver/3157	102	2,003
DA	KS	Overland Park/3158	491	6,208
DA	KS	Wichita/3159	2,156	26,377

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## ACOs Production Complete (cont.)

RCC	State	ACO	BCUs Completed	Original Addresses Completed
DA	NE	Lincoln/3163	2,254	30,263
DA	NM	Las Cruces/3165	3,452	56,667
DA	OK	Cleveland Co./3166	5,347	82,920
DA	OK	Oklahoma County/3167	2,652	29,244
DA	OK	Tulsa/3168	4,883	75,757
DA	SD	Sioux Falls/3169	4,906	50,100
DA	TX	Collin Co./3172	312	6,620
DA	TX	Dallas Co. NW/3175	38	2,451
DA	TX	Denton Co./3176	1,466	24,547
DA	TX	El Paso/3177	2,027	26,775
DA	TX	Fort Bend Co./3178	2,269	42,155
DA	TX	Hidalgo Co.- Cameron Co./3183	2,086	48,835
DA	TX	Laredo/3187	5,050	79,084
DA	TX	Lubbock/3188	5,570	62,137
DA	TX	Montgomery Co./3189	1,847	37,851
DA	TX	Tyler/3193	2,984	60,149
DA	TX	Waco/3194	1,484	25,707
DA	TX	Williamson Co./3195	1,576	25,357

RCC	State	ACO	BCUs Completed	Original Addresses Completed
DA	UT	Orem/3196	4,848	73,652
DA	UT	Salt Lake City/3197	697	14,936
DA	WY	Casper/3198	4,785	67,114
LA	AK	Anchorage/3298	3,919	110,022
LA	CA	Bakersfield/3263	2,030	43,584
LA	CA	Camarillo/3284	438	7,186
LA	CA	Chico/3264	4,501	91,663
LA	CA	Concord/3265	94	2,728
LA	CA	El Cajon/3266	555	9,839
LA	CA	Fresno/3270	327	7,060
LA	CA	Fullerton/3267	35	960
LA	CA	Palm Springs/3273	950	15,723
LA	CA	San Bernardino/3278	2,168	61,276
LA	CA	San Jose/3281	498	8,962
LA	CA	San Mateo/3282	187	4,059
LA	CA	Santa Ana/3283	36	781
LA	CA	Santa Clarita/3285	183	2,426
LA	CA	Santa Rosa/3286	2,660	45,421

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## ACOs Production Complete (cont.)

RCC	State	ACO	BCUs Completed	Original Addresses Completed
LA	CA	Spokane/3296	3,655	57,901
LA	CA	Stockton/3288	1,467	33,639
LA	CA	Sunnyvale/3289	27	569
LA	CA	Vista/3291	166	7,197
LA	HI	Honolulu/3255	2,447	63,303
LA	ID	Boise/3256	4,688	70,679
LA	NV	Las Vegas/3257	293	5,206
LA	NV	North Las Vegas/3258	3,029	42,460
LA	OR	Eugene/3259	1,042	20,029
LA	OR	Salem/3261	256	7,169
LA	QA	Everett/3293	460	9,640
LA	WA	Inglewood/3268	57	2,575
LA	WA	Olympia/3294	1,156	19,942
LA	WA	Tacoma/3297	208	4,610
NY	CT	Danbury/2253	105	2,495
NY	CT	Hartford/2254	203	3,951
NY	ME	Gardiner/2262	4,886	111,689
NY	MA	East Bridgewater/2259	1,886	48,194

RCC	State	ACO	BCUs Completed	Original Addresses Completed
NY	MA	Waltham/2260	9	273
NY	MA	Worcester/2261	941	20,777
NY	NH	Concord/2263	2,713	65,936
NY	NJ	Egg Harbor/2264	455	11,323
NY	NJ	Parsippany/2265	275	8,027
NY	NJ	South Plainfield/2266	36	3,130
NY	NJ	Toms River/2270	407	12,866
NY	NJ	Trenton/2271	122	5,168
NY	NY	Albany/2272	3,852	100,669
NY	NY	Brooklyn 4/2292	2	7
NY	NY	Buffalo/2276	98	3,125
NY	NY	Garden City/2279	49	1,527
NY	NY	Melville/2275	924	27,586
NY	NY	Pawling/2282	1,357	37,598
NY	NY	Peekskill/2286	86	2,899
NY	NY	Rochester/2287	1,284	34,573
NY	NY	Syracuse/2291	2,535	61,983
NY	PR	Caguas/2294	15,530	537,551

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## ACOs Production Complete (cont.)

RCC	State	ACO	BCUs Completed	Original Addresses Completed	Original Addresses Completed
NY	PR	Guaynabo/2293	12,419	620,048	30,819
PH	PR	Mayaguez/2295	17,629	618,627	
NY	RI	Providence/2296	179	5,657	19,661
NY	VT	Burlington/2297	2,445	61,075	31,472
PH	KY	Lexington/2357	3,030	72,349	4,383
PH	OH	Dayton/2368	161	3,035	23,007
PH	OH	Mansfield/2364	440	6,476	17,779
PH	OH	South Point, OH/2370	896	14,621	1,621
PH	OH	Toledo/2369	717	10,554	32,761
PH	PA	Allentown/2371	2,451	60,519	9,090
PH	PA	Cranberry Township/2372	2,860	47,567	4,609
PH	PA	Harrisburg/2373	505	8,620	7,269
PH	PA	Louisville/2358	316	6,244	13,747
PH	PA	Norristown/2374	128	2,978	13,622
PH	PA	Reading/2378	282	4,601	19,589
PH	PA	State College/2379	4,451	72,839	4,265
PH	TN	Knoxville/2380	132	3,018	10,792
PH	TN	Shelbyville/2383	278	5,992	5,087
PH	VA	Roanoke/2389	1,643	34,615	4,250
PH	WV	Beckley/2390	13,639	289,189	6,199

Data as of 7/27/20