

# 2020 Census Update Leave Weekly Update

OD 9.b

7/21/2020

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# 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:

- 99.01% blocks complete, 99.54% original addresses complete
- 162 ACOs production complete, 160 ACOs QC complete
- 7 ACOs Incomplete
  - 31,275 remaining original addresses
  - 17 AIAs incomplete
  - 1 ACO incomplete due to Military

## Quality Control:

- 23,102 BCUs selected, 22,937 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	98.94%	99.50%
Processed in Preprocessing	98.94%	n/a
Run Through MAF Updating	84.38%	79.48%

Puerto Rico Self Response:

- 14.97% complete (13.41% internet, 0.79% paper, 0.78% phone)
- 260,037 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.
- 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>	<b>311,358</b>	<b>309,040</b>	<b>99.26%</b>	<b>308,276</b>	<b>99.01%</b>	<b>6,805,523</b>	<b>6,774,248</b>	<b>99.54%</b>
Atlanta/2999	30,170	30,170	100.00%	30,170	100.00%	737,836	737,836	100.00%
Chicago/2599	32,431	31,822	98.12%	31,800	98.05%	591,628	589,704	99.67%
Dallas/3199	108,869	107,160	98.43%	106,418	97.75%	1,669,479	1,640,128	98.24%
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 7/21/20

162 ACOs have completed their Production Workload, 160 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	94.14%	112,978	95.45%
DA	ND	Bismarck/3162*	5/4/20	3,400	99.29%	41,666	98.67%
DA	AZ	Flagstaff/3105*	5/18/20	5,475	90.03%	87,506	93.81%
DA	NM	Las Cruces/3165	5/18/20	3,452	99.74%	56,667	99.40%
DA	NM	Albuquerque/3164*	5/25/20	6,110	93.26%	110,944	94.73%
CG	MN	Duluth/2578*	5/25/20	4,544	86.11%	76,481	97.48%
DA	AZ	Window Rock/3110	6/8/20	8,375	88.04%	76,821	84.31%

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

Data as of 7/21/20

# UL QC Results—Cumulative

	This Week	Last Week	Final AdCan Results	Final IL Results
BCUs Selected for QC	23,102	23,052	123,361	2,158
BCUs Completed QC	22,937	22,808	123,361	2,158
Enumerator Error Rate, BCU Level (Unweighted)	50.0%	50.1%	36.3%	45.7%
Enumerator Error Rate, BCU Level (Weighted)	45.5%	45.6%	34.8%	41.0%
Addresses Checked in QC	580,589	577,570	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%	60.0%	84%	69.3%
Percent of Enumerators Checked	99.6%	99.4%	100%	100.0%
Percent with 0 Failed BCUs	33.4%	33.5%	27%	36.9%
Percent with 5+ Failed BCUs	2.2%	2.2%	12%	1.6%

SMaRCS Data as of 07/20/20 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	31.8	30.7	33.0	31.7	15.7	63.0
Missed Deletes	26.9	38.4	53.4	30.7	18.6	46.1*
Incorrect Deletes	11.0	15.3	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	252,520	82.0%	45,097	14.6%	10,458	3.4%	308,075
Selected for QC*	7,519	32.6%	5,570	24.1%	10,013	43.3%	23,102
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	4,027	28.8%	3,255	23.3%	6,691	47.9%	13,973
Completed in QC	7,457	32.5%	5,538	24.1	9,942	43.3%	22,937
Failed QC (Unweighted‡)	2,958	40.3%	2,918	53.3%	5,402	55.5%	11,278
Failed QC (Weighted)	—	43.6%	—	53.8%	—	55.5%	45.5%

Sampling was changed beginning 5/15

SMaRCS Data as of 07/20/20 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 07/14
Total Blocks in Update Leave Universe	<b>311,358</b>		
Total Blocks Received from LiMA	308,057	98.94%	1,287
Total Blocks Processed in Preprocessing	308,057	98.94%	1,287
Total Blocks Run Through MAF Updating	262,738	84.38%	2,103

Address Record Processing	Counts	Percent of Universe	Increase from 07/07
Total Addresses Received from LiMA	6,805,586	99.50%	16,036
Total Addresses Run Through MAF Updating	5,436,331	79.48%	27,453

Data as of 7/21/20

# Update Leave: Frame Summary

Address Action	Total		50 States		Puerto Rico	
	Number	Percent	Number	Percent	Number	Percent
Add	738,183	9.8	502,911	9.1	235,272	11.7
Verify	2,589,312	34.3	2,008,340	36.3	580,972	28.8
Address Changes	1,847,296	24.5	1,136,075	20.6	711,221	35.3
Other Corrections	681,577	9.0	581,966	10.5	99,611	4.9
Delete	1,098,004	14.6	837,970	15.2	260,034	12.9
Duplicate	292,786	3.9	192,394	3.5	100,392	5.0
Non-residential	101,373	1.3	87,975	1.6	13,398	0.7
Conversions to Group Quarters	11,072	0.1	9,334	0.2	1,738	0.1
Conversions to Transitory Locations	67,188	0.9	65,736	1.2	1,452	0.1
Unable to Work	115,698	1.5	105,410	1.9	10,288	0.5
<b>Total Address Records</b>	<b>7,542,489</b>	<b>100.0</b>	<b>5,528,111</b>	<b>100.0</b>	<b>2,014,378</b>	<b>100.0</b>
Number of BCUs	307,916		262,338		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 307,916 completed BCUs,

50 States: (262,338 BCUs)

- 68.5 percent of the 653,951 addresses added or verified by LUCA are confirmed
- 81.3 percent of the 952,340 addresses that were residential on the latest DSF are confirmed
- 78.3 percent of the 4,083,828 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: (262,338 BCUs)

- 27.2 percent of the 653,951 addresses added or verified by LUCA are removed
- 16.8 percent of the 952,340 addresses that were residential on the latest DSF are removed
- 18.6 percent of the 4,083,828 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

- 51.0 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: 262,338

- 32.5 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
- 180 BCUs have > 100 adds
- 141 BCUs have > 200 removals

\*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>265,986</b>	<b>14.97%</b>
Internet	89.56%	238,204	13.41%
Paper	5.26%	14,001	0.79%
Phone	5.18%	13,781	0.78%

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

Data as of 7/21/20

- 260,037 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:	7.21.20
ACOs Completed (Production Workload)	162
Number of ACOs Completed (PROD WKLD) with AIAs	55
<b>AIAs that Completed Production Workload within Completed ACOs</b>	<b>249</b>
AIAs Completed (PROD WKLD) with Staff	140
AIAs Completed (PROD WKLD) w/o Staff	109

# 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 STG 7/22/20

# ACOs Production Complete

RCC	State	ACO	BCUs Completed	Original Addresses Completed
AT	AL	Birmingham/2904	2904	1,254
AT	AL	Huntsville/2905	2905	822
AT	AL	Mobile/2906	2906	1,369
AT	FL	Fort Lauderdale/2967	2967	68
AT	FL	Fort Myers/2968	2968	581
AT	FL	Gainesville, FL/2969	2969	829
AT	FL	Jacksonville/2970	2970	50
AT	FL	Lakeland/2971	2971	1,035
AT	FL	Lauderdale Lakes/2966	2966	309
AT	FL	Miami North/2972	2972	47
AT	FL	Miami South/2973	2973	146
AT	FL	Ocala/2974	2974	567
AT	FL	Orange County/2975	2975	216
AT	FL	Pensacola/2976	2976	755
AT	FL	Seminole County/2977	2977	123
AT	FL	St. Petersburg/2978	2978	308
AT	FL	Tampa/2979	2979	128
AT	FL	West Palm Beach/2980	2980	88

RCC	State	ACO	BCUs Completed	Original Addresses Completed
AT	GA	Atlanta/2910	2910	75
AT	GA	Columbus/2981	2981	2,140
AT	GA	DeKalb County/2982	2982	74
AT	GA	Douglasville/2983	2983	104
AT	GA	Gainesville, GA/2984	2984	723
AT	GA	Gwinnett County/2985	2985	159
AT	GA	Macon/2986	2986	315
AT	GA	Savannah/2987	2987	1,294
AT	LA	Baton Rouge/2988	2988	1,248
AT	LA	Jefferson Parish/2989	2989	872
AT	LA	New Orleans/2990	2990	273
AT	LA	Shreveport/2991	2991	2,143
AT	MS	Gulfport/2901	2901	1,210
AT	MS	Jackson/2902	2902	1,951
AT	NC	Asheville/2992	2992	2,030
AT	NC	Charlotte/2993	2993	86
AT	NC	Durham/2994	2994	198
AT	NC	Fayetteville/2995	2995	1,064

Data as of 7/20/20

## ACOs Production Complete (cont.)

RCC	State	ACO	BCUs Completed	Original Addresses Completed
AT	NC	Greenville, NC/2996	2996	2,237
AT	NC	Raleigh/2997	2997	319
AT	NC	Winston-Salem/2998	2998	398
AT	SC	Charleston/2907	2907	1,226
AT	SC	Columbia/2908	2908	874
AT	SC	Greenville, SC/2909	2909	462
CG	AR	Fayetteville/2556	2556	1,300
CG	AR	Little Rock/2557	2557	3,308
CG	IL	Peoria/2566	2566	1,002
CG	IL	Springfield/2568	2568	1,814
CG	IN	Evansville/2569	2569	667
CG	IN	Ft. Wayne/2570	2570	893
CG	IN	Lake County/2572	2572	1,007
CG	IA	Des Moines/2558	2558	825
CG	MI	Detroit/2573	2573	139
CG	MI	Lansing/2574	2574	160
CG	MI	Macomb County/2575	2575	114
CG	MI	Traverse City, MI/2576	2576	5,019

RCC	State	ACO	BCUs Completed	Original Addresses Completed
CG	MN	Rochester/2580	2580	650
CG	MO	Kansas City/2581	2581	1,163
CG	MO	Springfield/2582	2582	5,222
CG	MO	St. Louis/2583	2583	66
CG	WI	Eau Claire/2584	2584	3,439
CG	WI	Green Bay/2585	2585	472
CG	WI	Madison/2586	2586	627
DA	AZ	Maricopa Central/3106	3106	52
DA	AZ	Maricopa South/3107	3107	10
DA	AZ	Maricopa West/3108	3108	256
DA	AZ	Tucson/3109	3109	4831
DA	CO	Aurora/3154	3154	130
DA	CO	Colorado North/3155	3155	3,983
DA	CO	Colorado Springs/3156	3156	5,144
DA	CO	Denver/3157	3157	102
DA	KS	Overland Park/3158	3158	491
DA	KS	Wichita/3159	3159	2,156
DA	NE	Lincoln/3163	3163	2,254

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## ACOs Production Complete (cont.)

RCC	State	ACO	BCUs Completed	Original Addresses Completed
DA	OK	Cleveland Co./3166	3166	5,347
DA	OK	Oklahoma County/3167	3167	2,652
DA	OK	Tulsa/3168	3168	4,883
DA	SD	Sioux Falls/3169	3169	4,906
DA	TX	Collin Co./3172	3172	312
DA	TX	Dallas Co. NW/3175	3175	38
DA	TX	Denton Co./3176	3176	1,466
DA	TX	El Paso/3177	3177	2027
DA	TX	Fort Bend Co./3178	3178	2,269
DA	TX	Hidalgo Co.- Cameron Co./3183	3183	2,086
DA	TX	Laredo/3187	3187	5,050
DA	TX	Lubbock/3188	3188	5,570
DA	TX	Montgomery Co./3189	3189	1,847
DA	TX	Tyler/3193	3193	2,984
DA	TX	Waco/3194	3194	1,484
DA	TX	Williamson Co./3195	3195	1,576
DA	UT	Orem/3196	3196	4,848
DA	UT	Salt Lake City/3197	3197	697

RCC	State	ACO	BCUs Completed	Original Addresses Completed
DA	WY	Casper/3198	3198	4,785
LA	AK	Anchorage/3298	3298	3,919
LA	CA	Bakersfield/3263	3263	2,030
LA	CA	Camarillo/3284	3284	438
LA	CA	Chico/3264	3264	4,501
LA	CA	Concord/3265	3265	94
LA	CA	El Cajon/3266	3266	555
LA	CA	Fresno/3270	3270	327
LA	CA	Fullerton/3267	3267	35
LA	CA	Palm Springs/3273	3273	950
LA	CA	San Bernardino/3278	3278	2,168
LA	CA	San Jose/3281	3281	498
LA	CA	San Mateo/3282	3282	187
LA	CA	Santa Ana/3283	3283	36
LA	CA	Santa Clarita/3285	3285	183
LA	CA	Santa Rosa/3286	3286	2,660
LA	CA	Spokane/3296	3296	3,655
LA	CA	Stockton/3288	3288	1,467

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## ACOs Production Complete (cont.)

RCC	State	ACO	BCUs Completed	Original Addresses Completed
LA	CA	Sunnyvale/3289	3289	27
LA	CA	Vista/3291	3291	166
LA	HI	Honolulu/3255	3255	2,447
LA	ID	Boise/3256	3256	4,688
LA	NV	Las Vegas/3257	3257	293
LA	NV	North Las Vegas/3258	3258	3,029
LA	OR	Eugene/3259	3259	1,042
LA	OR	Salem/3261	3261	256
LA	QA	Everett/3293	3293	460
LA	WA	Inglewood/3268	3268	57
LA	WA	Olympia/3294	3294	1,156
LA	WA	Tacoma/3297	3297	208
NY	CT	Danbury/2253	2253	105
NY	CT	Hartford/2254	2254	203
NY	ME	Gardiner/2262	2262	4886
NY	MA	East Bridgewater/2259	2259	1,886
NY	MA	Waltham/2260	2260	9
NY	MA	Worcester/2261	2261	941

RCC	State	ACO	BCUs Completed	Original Addresses Completed
NY	NH	Concord/2263	2263	2,713
NY	NJ	Egg Harbor/2264	2264	455
NY	NJ	Parsippany/2265	2265	275
NY	NJ	South Plainfield/2266	2266	36
NY	NJ	Toms River/2270	2270	407
NY	NJ	Trenton/2271	2271	122
NY	NY	Albany/2272	2272	3,852
NY	NY	Brooklyn 4/2292	2292	2
NY	NY	Buffalo/2276	2276	98
NY	NY	Garden City/2279	2279	49
NY	NY	Melville/2275	2275	924
NY	NY	Pawling/2282	2282	1,357
NY	NY	Peekskill/2286	2286	86
NY	NY	Rochester/2287	2287	1,284
NY	NY	Syracuse/2291	2291	2,535
NY	PR	Caguas/2294	2294	15,530
NY	PR	Guaynabo/2293	2293	12,419
PH	PR	Mayaguez/2295	2295	17,629

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# ACOs Production Complete (cont.)

RCC	State	ACO	BCUs Completed	Original Addresses Completed
NY	RI	Providence/2296	2296	179
NY	VT	Burlington/2297	2297	2,445
PH	KY	Lexington/2357	2357	3,030
PH	OH	Dayton/2368	2368	161
PH	OH	Mansfield/2364	2364	440
PH	OH	South Point, OH/2370	2370	896
PH	OH	Toledo/2369	2369	717
PH	PA	Allentown/2371	2371	2,451
PH	PA	Cranberry Township/2372	2372	2,860
PH	PA	Harrisburg/2373	2373	505
PH	PA	Louisville/2358	2358	316
PH	PA	Norristown/2374	2374	128
PH	PA	Reading/2378	2378	282
PH	PA	State College/2379	2379	4,451
PH	TN	Knoxville/2380	2380	132
PH	TN	Shelbyville/2383	2383	278
PH	VA	Roanoke/2389	2389	1,643
PH	WV	Beckley/2390	2390	13,639

Data as of 7/20/20