

2020 Census Update Leave Weekly Update

OD 9.b

7/14/2020

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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:

- 98.63% blocks complete, 99.34% original addresses complete
- 158 ACOs production complete, 156 ACOs QC complete
- 11 ACOs Incomplete
 - 28 AIAs incomplete
 - 3 ACOs incomplete due to Military or Other

Quality Control:

- 23,052 BCUs selected, 22,808 BCUs completed
- 50.1% 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	98.53%	99.27%
Processed in Preprocessing	98.53%	n/a
Run Through MAF Updating	83.71%	79.08%

Puerto Rico Self Response:

- 14.23% complete (12.84% internet, 0.65% paper, 0.74% phone)
- 247,107 UL Paper Questionnaires from PR are being tracked back to a PDC center.

UL System Status:

- No issues or concerns; all 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
Total	311,358	308,209	98.99%	307,087	98.63%	6,805,523	6,760,583	99.34%
Atlanta/2999	30,170	30,149	99.93%	30,062	99.64%	737,836	735,623	99.70%
Chicago/2599	32,431	31,822	98.12%	31,800	98.05%	591,628	589,704	99.67%
Dallas/3199	108,869	106,350	97.69%	105,344	96.76%	1,669,479	1,628,760	97.56%
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%	24,842	99.97%	630,528	630,444	99.99%
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 7/14/20

158 ACOs have completed their Production Workload, 156 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	93.91%	112,978	95.38%
DA	ND	Bismarck/3162*	5/4/20	3,400	99.29%	41,666	98.67%
AT	FL	Lakeland/2971*	5/11/20	1,035	97.87%	32,761	98.95%
AT	FL	Lauderdale Lakes/2966*	5/11/20	309	72.17%	9,090	79.45%
DA	AZ	Flagstaff/3105*	5/18/20	5,475	89.94%	87,506	93.73%
DA	NM	Las Cruces/3165*	5/18/20	3,452	97.13%	56,667	97.51%
DA	NM	Albuquerque/3164*	5/25/20	6,110	91.11%	110,944	92.81%
CG	MN	Duluth/2578*	5/25/20	4,544	86.11%	76,481	97.48%
NY	MA	East Bridgewater/2259*	5/25/20	1,886	99.79%	48,194	99.91%
NY	NY	Syracuse/2291*	5/25/20	2,535	99.88%	61,983	99.93%
DA	AZ	Window Rock/3110	6/8/20	8,375	78.13%	76,821	73.86%

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

Data as of 7/14/20

UL QC Results—Cumulative

	This Week	Last Week	Final AdCan Results	Final IL Results
BCUs Selected for QC	23,052	22,948	123,361	2,158
BCUs Completed QC	22,808	22,605	123,361	2,158
Enumerator Error Rate, BCU Level (Unweighted)	50.1%	50.1%	36.3%	45.7%
Enumerator Error Rate, BCU Level (Weighted)	45.6%	45.6%	34.8%	41.0%
Addresses Checked in QC	577,570	572,135	3,425,283	96,647
Enumerator Error Rate, Address Level (Weighted)	7.9%	7.9%	4.3%	11.1%
Percent of Enumerators Selected	60.0%	60.0%	84%	69.3%
Percent of Enumerators Checked	99.4%	99.1%	100%	100.0%
Percent with 0 Failed BCUs	33.5%	33.5%	27%	36.9%
Percent with 5+ Failed BCUs	2.2%	2.2%	12%	1.6%

SMaRCS Data as of 07/13/20 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	31.9	30.7	32.9	31.7	15.7	63.0
Missed Deletes	26.9	38.5	53.5	30.7	18.6	46.1*
Incorrect Deletes	11.0	15.2	16.7	12.1	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	251,368	81.9%	45,029	14.7%	10,435	3.4%	306,832
Selected for QC*	7,497	32.5%	5,563	24.1%	9,992	43.4%	23,052
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	4,005	28.8%	3,248	23.3%	6,670	47.9%	13,923
Completed in QC	7,417	32.5%	5,521	24.2%	9,870	43.3%	22,808
Failed QC (Unweighted‡)	2,943	40.3%	2,909	53.3%	5,372	55.6%	11,224
Failed QC (Weighted)	—	43.6%	—	53.9%	—	55.6%	

Sampling was changed beginning 5/15

SMaRCS Data as of 07/13/20 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 07/07
Total Blocks in Update Leave Universe	311,358		
Total Blocks Received from LiMA	306,770	98.53%	2,125
Total Blocks Processed in Preprocessing	306,770	98.53%	2,125
Total Blocks Run Through MAF Updating	260,635	83.71%	31,106

Address Record Processing	Counts	Percent of Universe	Increase from 07/07
Total Addresses Received from LiMA	6,789,550	99.27%	27,469
Total Addresses Run Through MAF Updating	5,408,878	79.08%	674,252

Data as of 7/14/20

Update Leave: Frame Summary

Address Action	Total		50 States		Puerto Rico	
	Number	Percent	Number	Percent	Number	Percent
Add	735,760	9.8	500,488	9.1	235,272	11.7
Verify	2,585,452	34.4	2,004,480	36.4	580,972	28.8
Address Changes	1,841,048	24.5	1,129,827	20.5	711,221	35.3
Other Corrections	679,970	9.0	580,359	10.5	99,611	4.9
Delete	1,095,853	14.6	835,819	15.2	260,034	12.9
Duplicate	292,270	3.9	191,878	3.5	100,392	5.0
Non-residential	100,830	1.3	87,432	1.6	13,398	0.7
Conversions to Group Quarters	11,050	0.1	9,312	0.2	1,738	0.1
Conversions to Transitory Locations	67,089	0.9	65,637	1.2	1,452	0.1
Unable to Work	113,434	1.5	103,146	1.9	10,288	0.5
Total Address Records	7,522,756	100.0	5,508,378	100.0	2,014,378	100.0
Number of BCUs	306,588		261,010		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 306,588 completed BCUs,

50 States: (261,010 BCUs)

- 68.5 percent of the 652,784 addresses added or verified by LUCA are confirmed
- 81.4 percent of the 950,238 addresses that were residential on the latest DSF are confirmed
- 78.3 percent of the 4,069,758 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: (261,010 BCUs)

- 27.2 percent of the 652,784 addresses added or verified by LUCA are removed
- 16.8 percent of the 950,238 addresses that were residential on the latest DSF are removed
- 18.6 percent of the 4,069,758 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: 261,010

- 32.5 percent of BCUs have no adds
- 8.3 percent of BCUs have no removals
- 22.1 percent of BCUs have no adds and no removals
- 180 BCUs have > 100 adds
- 140 BCUs have > 200 removals
- 8,802 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*
Total Self-Responses	100%	252,689	14.23%
Internet	90.26%	228,080	12.84%
Paper	4.54%	11,471	0.65%
Phone	5.20%	13,138	0.74%

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

Data as of 7/14/20

- 247,107 UL Paper Questionnaires from PR are being tracked back to a PDC center.

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
 - 70 open, 50 closed, 9 no status

UL Progress Status:	7.14.20
ACOs Completed (Production Workload)	158
Number of ACOs Completed (PROD WKLD) with AIAs	51
AIAs that Completed Production Workload within Completed ACOs	239
AIAs Completed (PROD WKLD) with Staff	136
AIAs Completed (PROD WKLD) w/o Staff	103

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	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	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
AT	GA	Atlanta/2910	75	6,199
AT	GA	Columbus/2981	2,140	38,583

RCC	State	ACO	BCUs Completed	Original Addresses Completed
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
AT	NC	Greenville, NC/2996	2,237	62,600
AT	NC	Raleigh/2997	319	7,676

Data as of 7/14/20

ACOs Production Complete (cont.)

RCC	State	ACO	BCUs Completed	Original Addresses Completed
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
CG	MN	Rochester/2580	650	10,225
CG	MO	Kansas City/2581	1,163	17,774

RCC	State	ACO	BCUs Completed	Original Addresses Completed
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	4831	83666
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
DA	NE	Lincoln/3163	2,254	30,263
DA	OK	Cleveland Co./3166	5,347	82,920
DA	OK	Oklahoma County/3167	2,652	29,244

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ACOs Production Complete (cont.)

RCC	State	ACO	BCUs Completed	Original Addresses Completed
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	2027	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
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

RCC	State	ACO	BCUs Completed	Original Addresses Completed
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
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

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ACOs Production Complete (cont.)

RCC	State	ACO	BCUs Completed	Original Addresses Completed
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	4886	111,689
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

RCC	State	ACO	BCUs Completed	Original Addresses Completed
NY	NJ	South Plainfield/2266	36	3,130
NY	NJ	Toms River/2270	407	12,866
NY	NJ	Trenton/2271	122	5168
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	PR	Caguas/2294	15,530	537,551
NY	PR	Guaynabo/2293	12,419	620,048
PH	PR	Mayaguez/2295	17,629	618,627
NY	RI	Providence/2296	179	5,657
NY	VT	Burlington/2297	2,445	61,075
PH	KY	Lexington/2357	3,030	72,349
PH	OH	Dayton/2368	161	3,035

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ACOs Production Complete (cont.)

RCC	State	ACO	BCUs Completed	Original Addresses Completed
PH	OH	Mansfield/2364	440	6,476
PH	OH	South Point, OH/2370	896	14,621
PH	OH	Toledo/2369	717	10,554
PH	PA	Allentown/2371	2,451	60,519
PH	PA	Cranberry Township/2372	2,860	47,567
PH	PA	Harrisburg/2373	505	8,620
PH	PA	Louisville/2358	316	6,244
PH	PA	Norristown/2374	128	2,978
PH	PA	Reading/2378	282	4,601
PH	PA	State College/2379	4,451	72,839
PH	TN	Knoxville/2380	132	3,018
PH	TN	Shelbyville/2383	278	5,992
PH	VA	Roanoke/2389	1,643	34,615
PH	WV	Beckley/2390	13,639	289,189

Data as of 7/14/20