

2020 Census Operational Delivery 12.1

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Agenda

- **Residual Coding 12.1**
 - Wave 1 Progress
 - Updates to RCS for wave 2
 - Plans for future RCS waves
 - Defects
- **Response Processing 12.2**
 - Key Dates
 - User Acceptance Testing
 - Program Level Testing

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Wave 1 RCS progress

- Production Coding – Completed 7/9/20
- Verification Coding – Completed 7/15/20
- Adjudication Coding – Completed 8/11/20

Overall RCS Wave 1 Batch* Status

All Batch Types (Available-English, Available-Spanish, Referral)

	Number of Batches	Percent
Total New (Not started)	0	0
Total In Process	0	0
Total Completed	7180	100
Total (all)	7180	100

* Each batch of responses for residual coding contains 100 unique write-in entries.

Wave 2 RCS Update

- Autocoding rate updated for wave 2 as of 8/4 – 99.5%
- CR 1892 approved 6/30/20
- RCS Spec Updates delivered 7/10/20
- DRPS developed, tested, and deployed new code on 7/31/20
- TI Completed testing updates by 8/3/20
- 5,819 batches sent to RCS coding
- Wave 2 RCS training held 8/11/20-8/14/20
- Wave 2 to started 8/17/20 with a scheduled end date of 10/16/20

Waves 2-4 Schedule- Tentative

Wave	Start Date	End Date	Days	Training Dates	NPC Coders Available ¹	PC Coders	VC Coders	AC Coders	PC Daily Batch Completion	VC Daily Batch Completion	Est. Batches Completed	Alt. Est. Batches Completed	Proposed Batch Workload	
1	4/20/2020	8/7/2020	78								6818	6818	6818	
2	8/17/2020	10/16/2020	43	08/10/20 - 08/14/20	100	60	30	10	90	90	3870	5805	5805	
3	10/26/2020	12/2/2020	27	10/19/20 - 10/23/20	300	180	90	30	270	270	7290	10935	All data	
4	12/10/2020	12/16/2020	5	TBD	300	180	90	30	270	270	1350	2025	All data	
											Total Batches	19328	25583	

12.1 Open Defects

- **Sev 3 - 57182 (INC601371) – Prefilled Codes**
 - An intermittent issue where some batches have some codes in the fields when opened by coders.
 - **Defect closed and fix was deployed to production on 8/10/20**

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Operational Delivery 12.2-

Response Processing

Key Dates

- **Production Readiness** 6/17/2020
- **Operational Readiness** TBD
- **Conduct Operations** TBD
- **Apportionment Delivery** 12/31/2020

2020 Census OD 12.2- User Acceptance Testing

- DRF1 UAT1 complete and all observations addressed as of 6/17
- DRF2 UAT1 complete and all observations addressed as of 6/17
- CUF UAT1 complete and all observations addressed as of 6/17
- CEF UAT1 complete and all observations addressed as of 6/17
- DRF, CUF, and CEF UAT 2/3 and CAT 2 are scheduled to continue through September.

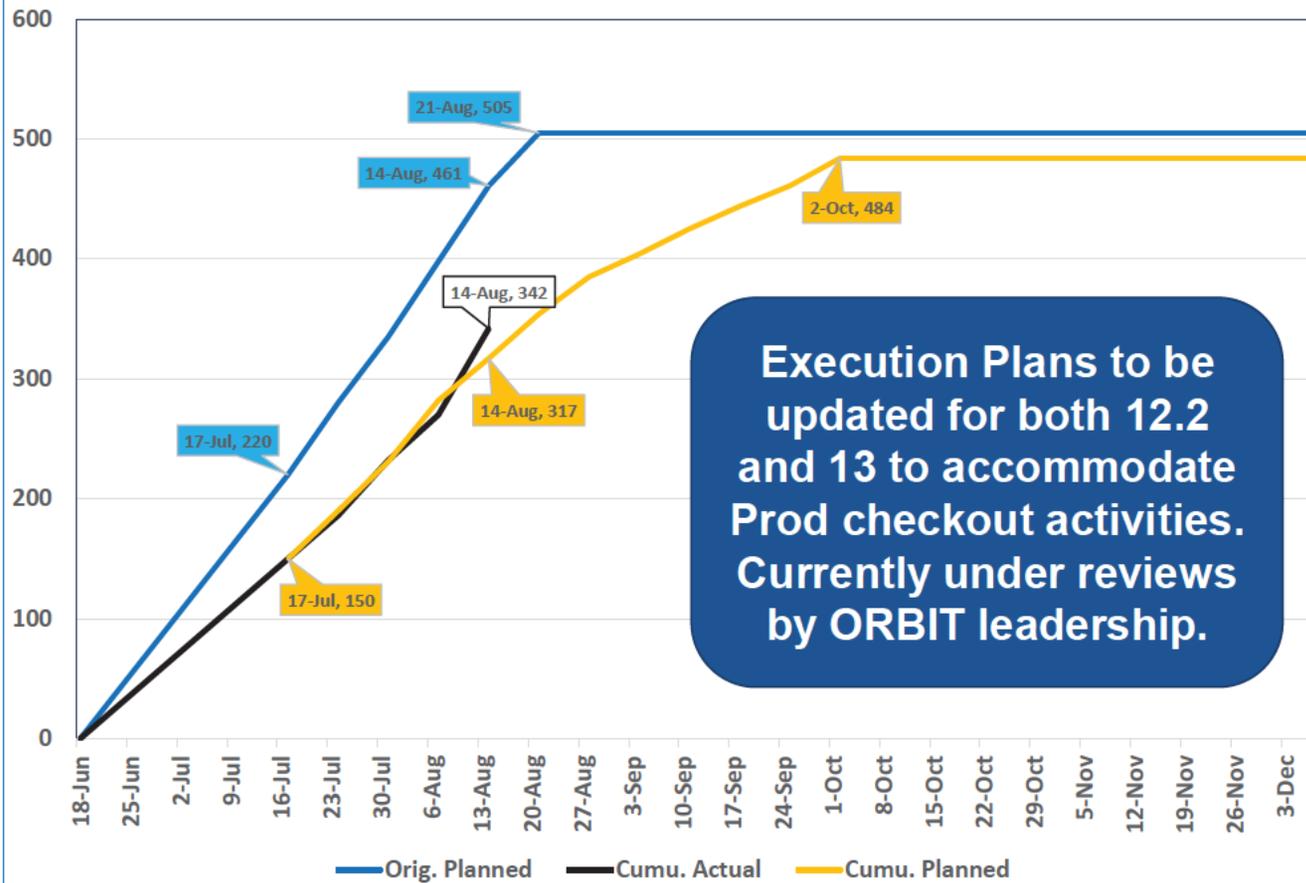
2020 Census OD 12.2- Program Level Testing

- Program Level testing for OD 12.2 is under way.
- Team plans to complete round 1 of testing using synthetic data before 8/28/2020.
- The team will then begin production checkout testing.

2020 RPO
 (D12.2)
 • TRR –
 04/27/20
 • PRR –

2020 DRF/CUF/CEF Status Plan Line

OD 12.2 (DRF/CUF/CEF) Plan Line & Execution Status



Execution Plans to be updated for both 12.2 and 13 to accommodate Prod checkout activities. Currently under reviews by ORBIT leadership.

Summary of Upcoming/Ongoing Activities:

- Prod checkout activities in ITE, upon ORBIT leadership's approval
- CEF Functional Testing ongoing, anticipated Wave 1 completion 8/28/2020

OD 12.2 as of 08/14	Blocked	Passed	Failed	No Run	In Progress	<Total>
Functional	0	290	2	118	0	410
Interface	0	52	15	7	0	74
<Total>	0	342	17	125	0	484
E2E	0	0	0	0	0	0

Backup Slides

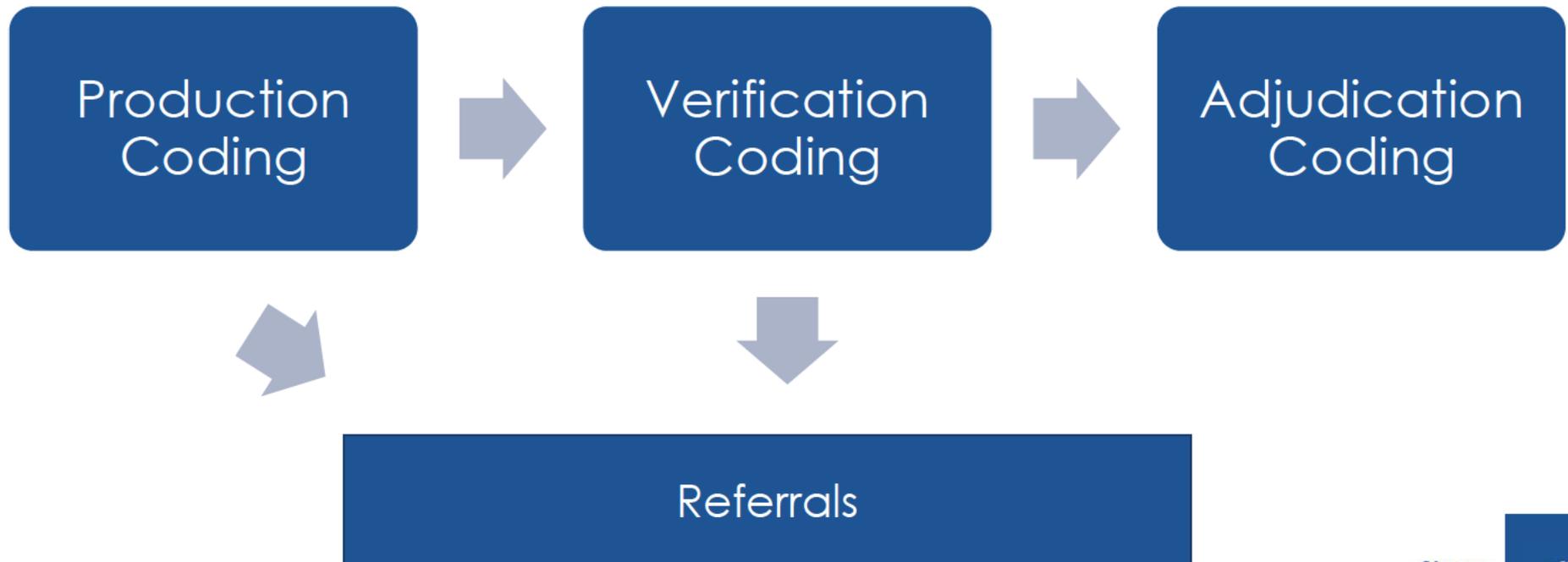
Operational Delivery 12.1-

Residual Coding (RCS)

The process of manually coding write-in responses collected from the Hispanic origin and race questions that cannot be assigned codes through autocoding.

At the start of Wave 1 of residual coding (4/17/20), the autocoding rate for write in responses was 98.8%

Residual Coding Process



2020 Census OD 12.2 System Scope Highlights

OD 12.2 (Response Processing) includes:

- The processes for the creation of the **Decennial Response File (DRF)**
- The application of the Post Capture Data Integration (PCDI) to the DRF create the **DRF1**
- The application of the Primary Selection Algorithm (PSA) to the DRF1 to create the **DRF2**
- The application of PCUF processing and count imputation to create the **Census Unedited File (CUF)**
- The application of edits and characteristic imputation to create the **Census Edited File (CEF)**.

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