

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
 - Open Defects
- **Response Processing 12.2**
 - Key Dates
 - Scope
 - Production Readiness Summary
 - User Acceptance Testing
 - Program Level Testing

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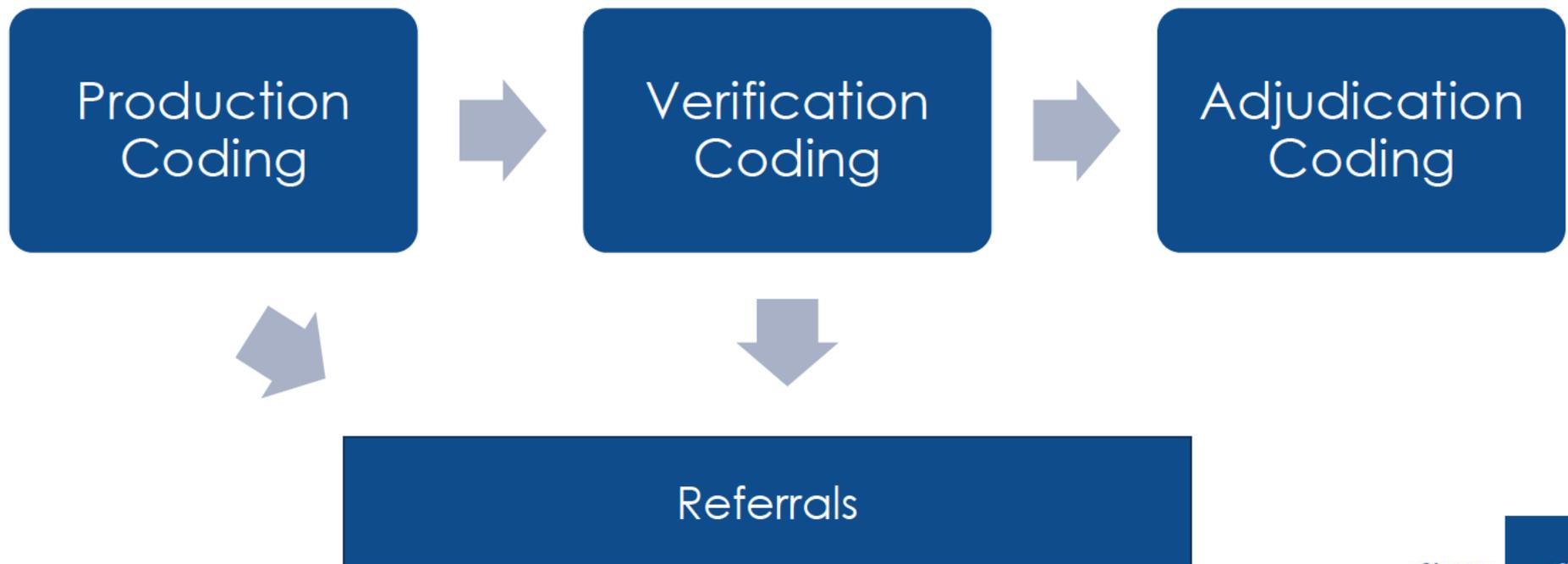
Operational Delivery 12.1-

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



Wave 1 RCS progress

- **Production Coding – Completed 7/9/20**
- **Verification Coding – Completed 7/15/20**
- **Adjudication Coding – Expected to finish 8/7/20**

Overall RCS Batch Status- as of 7/22/2020

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

	Number of Batches	Percent
Total New (Not started)	4	0.1
Total In Process	2533	35.4
Total Completed	4615	64.5
Total (all)	7152	100

Wave 2 RCS Update Progress

- **CR 1892 approved 6/30/20**
- **RCS Spec Updates delivered 7/10/20**
- **DRPS on track to develop, test, and deploy new code by 7/31/20**
- **TI Expected to complete testing updates by 8/4/20**
- **Wave 2 to start on 8/17/20**

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.
 - DRPS is working with the NPC coders to determine the root cause when it happens in production.
 - DRPS believes they have a fix, and are testing it in their environment.

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Operational Delivery 12.2-

Response Processing

Key Dates

- **Production Readiness** **6/17/2020**
- **Operational Readiness** **12/7/2020**
- **Conduct Operations** **1/4/2021**

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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2020 Census OD 12.2 Response Processing Production Readiness Summary

- Final CDL code delivery on track for 7/22/20
- Final DRPS CEF creation code delivery on track for 7/23/20
- All data has been created
- All test cases have been created
- All infrastructure available and ATO's received for all systems
- PRR was signed off on 6/17/20

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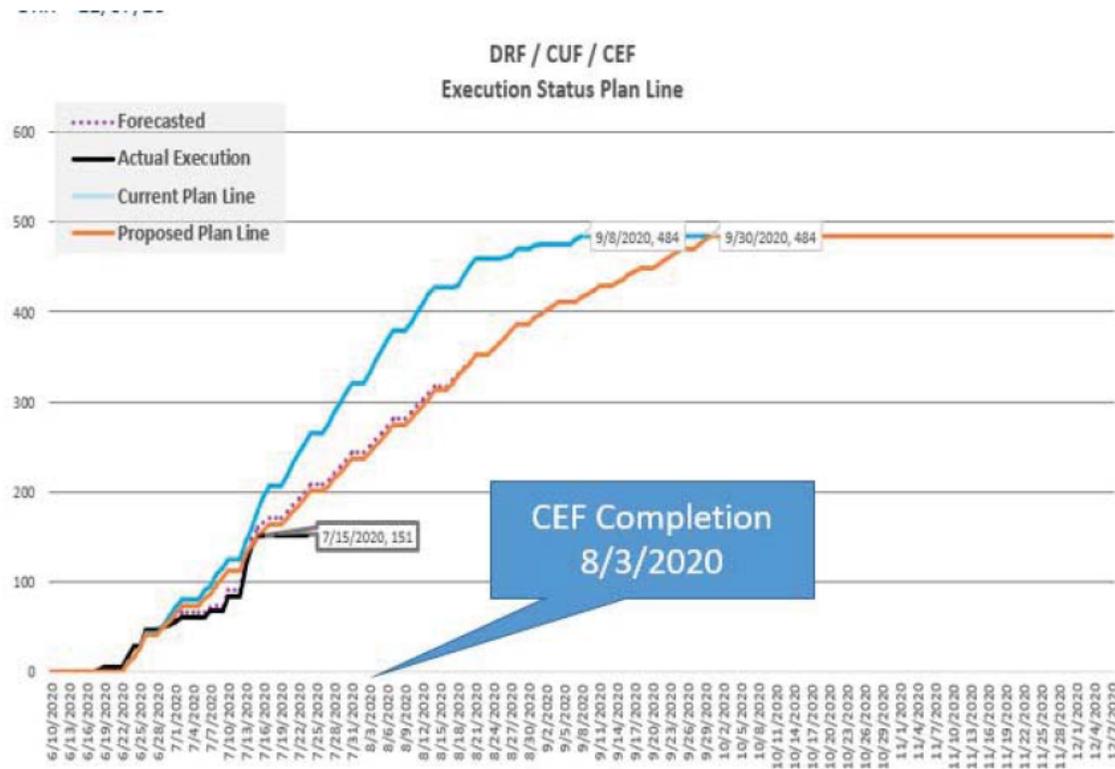
2020 Census OD 12.2- User Acceptance Testing

- 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 October.

2020 Census OD 12.2- Program Level Testing

- Program Level testing for OD 12.2 is under way.
- Week 1 had a blocking defect that caused a delay due to issues with the PCDI code and the creation of the DRF1. The team has found a work around, and is continuing with testing.
- A new plan line was built using the actual velocity of the test team so far. This new plan line has testing complete on 9/30.
- The time between 9/30 and 12/7 (ORR) will be spent performing regression testing, end to end testing, and additional edge case testing.

2020 DRF/CUF/CEF Status Plan Line



DRF/CUF/CEF as of Jul 17	Blocked	Passed	Failed	No Run	In-Progress	<Total>
Functional	0	126	0	285	0	411
Interface	0	24	5	43	1	73
<Total>	0	150	5	328	1	484
End-to-End	0	0	0	0	0	0