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
  - Updates to meet 12/31/20 apportionment date
  - Production Readiness Summary
  - 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

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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.

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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

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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	

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12.1Open 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

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Key Dates

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

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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 September.

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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.

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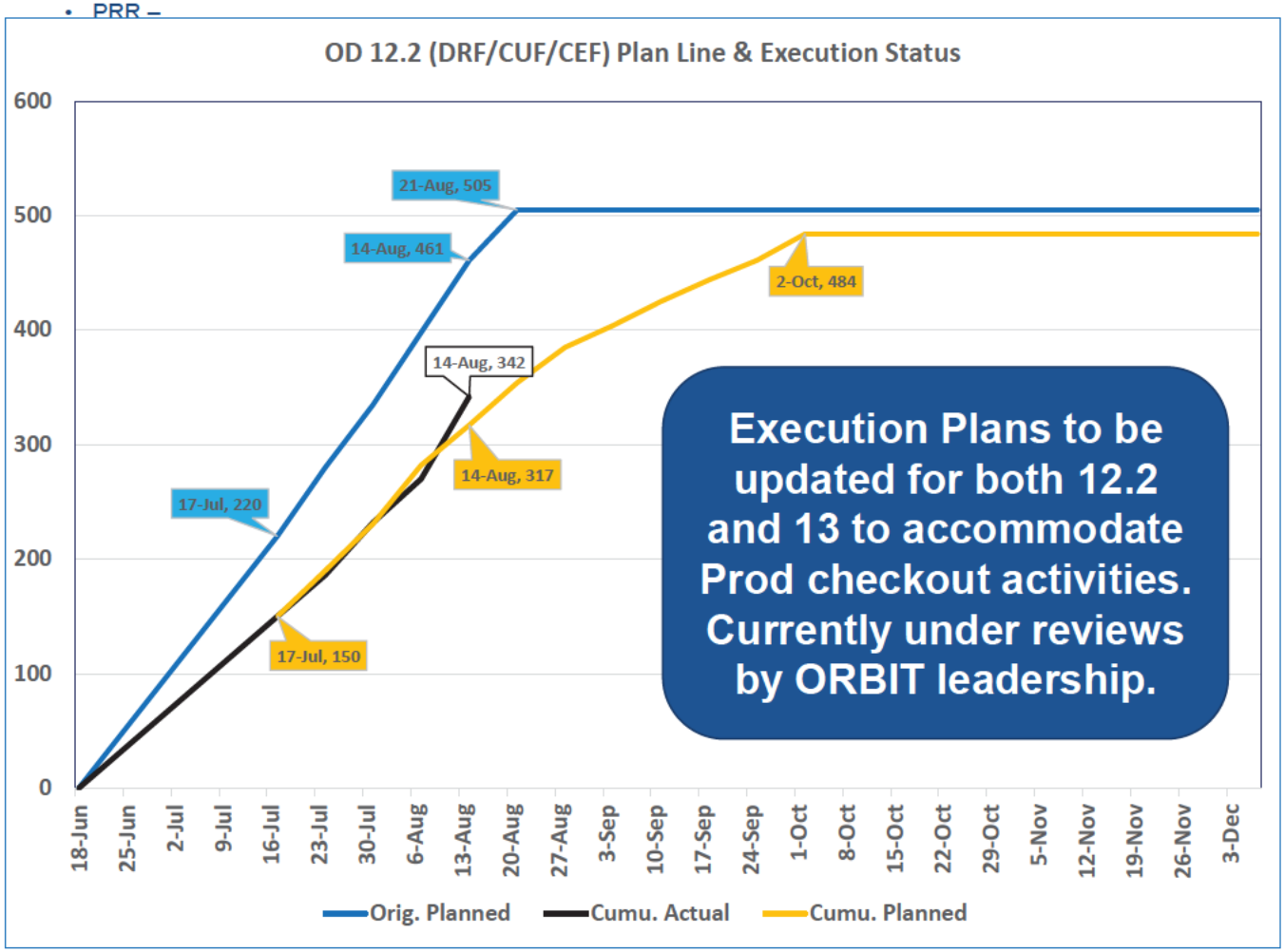
2020 RPO (D12.2)
- TRR – 04/27/20
- PRR –

2020 DRF/CUF/CEF Status Plan Line



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

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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%

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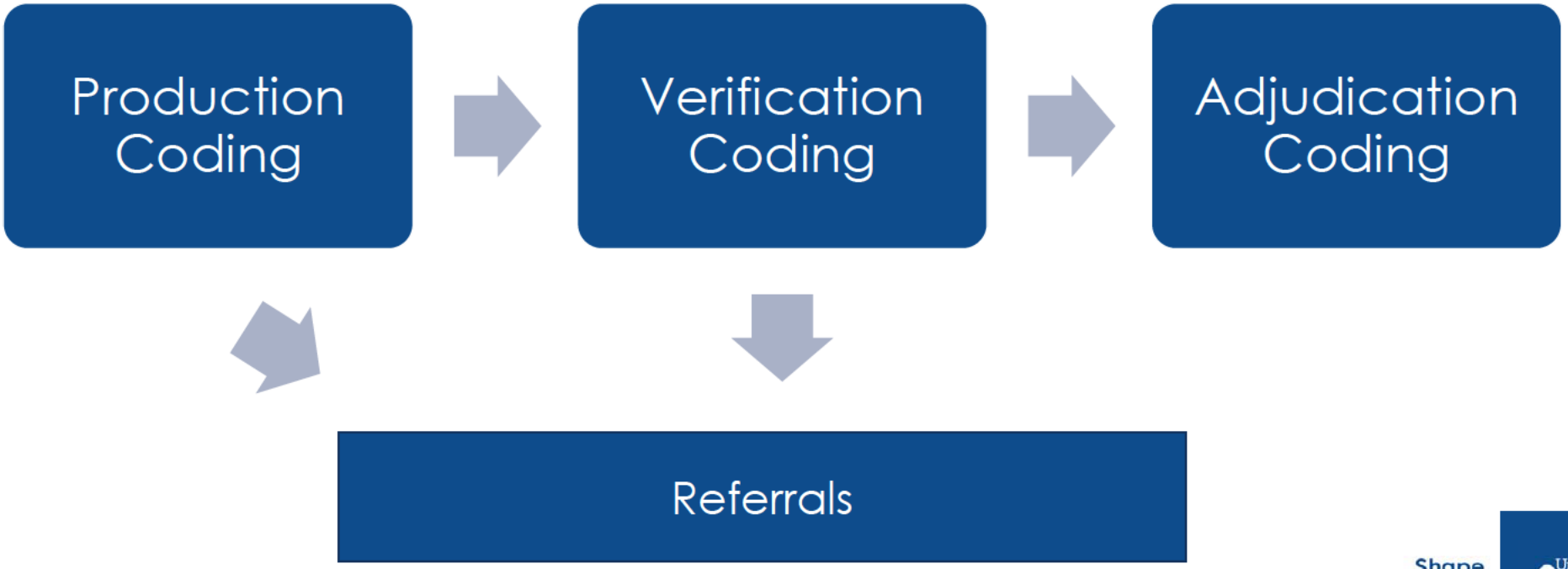
Residual Coding Process



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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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