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Description of document: Census Bureau (USCB) Memos and Reports Regarding Anomalies in the 2020 Decennial Census Data

Requested date: 31-January-2021

Release date: 05-April-2022

Posted date: 23-May-2022

Source of document: Freedom of Information Act Request
U.S Census Bureau
Freedom of Information Act Office
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UNITED STATES DEPARTMENT OF COMMERCE
U.S. Census Bureau
Washington, DC 20233-0001

April 5, 2022

This letter is in response to your Freedom of Information Act (FOIA), Title 5, United States Code, Section 552, request submitted January 31, 2021, to the U.S. Census Bureau's FOIA Office. We received your request in this office on February 1, 2021. We have assigned to it tracking number DOC-CEN-2021-000860 and are responding under the FOIA to your request for:

A copy of memos and reports dated between December 1, 2020, and present describing the anomalies in the decennial census data which was a significant factor that led to delays in reporting of census results, as noted in multiple news stories in December 2020 and January 2021.

Enclosed are 4 records (19 pages) that are responsive to your request. These records are fully releasable under the FOIA. There are no charges for these records.

Please contact Sarabeth Rodriguez or Paul Reyes of my staff by telephone at 301-763-2127 or by email at census.efoia@census.gov if you have any questions regarding your request.

Sincerely,

Vernon Curry

Vernon E. Curry, PMP, CIPP/G
Freedom of Information Act/Privacy Act Officer
Chief, Freedom of Information Act Office

Enclosures

Enclosure

Additional DRF1 Anomaly Timeline - 4 Anomalies





Issue ID	Title	Requirements received	Development started	Development completed	Project level test - individual patch started	Project level test - individual patch completed	Released for SME Review	Completed SME Review	Notes
131	NRFU AGE_YEARS not populated even though Review Screen Has Data	1	1	1	1	1	1	1	Patch 131 was reopened during testing. POP and DSSD reviewed test results and determined additional steps were needed to correct issue. Final requirements were received on 12/17. Development completed on 12/18. POP and DSSD validation complete on 12/20.
135	GQs from Redistribution Converted to HUs	1	1	1	1	1	1	1	
137	Remove Invalid Dummy Records	1	1	1	1	1	1	1	
138	Reinstate killed GQs with response data	1	1	1	1	1	1	1	
Grand Total as of 12/21		4	4	4	4	4	4	4	

Issue ID	Title	Description	Impact	Anomaly confirmed	Requirements received	Development started	Development completed	Project level test started	Project level test completed	Released for SME Review	Completed SME Review	Deploy to production	Status	Notes
131	Problem with assignment of age	On the NRFU review screen, the interviewer can update a person's age without updating the date of birth (DOB).		12/12/2020	12/17/2020 12/10/2020	12/17/2020 12/13/2020	12/18/2020 12/14/2020	12/18/2020 12/14/2020	12/18/2020 12/15/2020	12/18/2020 12/14/2020	12/20/2021 12/15/2020	12/21/2020		POP and DSSD reviewed test results and determined additional steps were needed to correct issue. Final requirements were received on 12/17. POP and DSSD review complete on 12/20. Deployment completed on 12/21.
135	GQs from Redistribution Converted to HUs	In some GQs facilities, all person records were reported in one or several GQs rather than across the actual GQs.		12/9/2020	12/12/2020	12/13/2020	12/14/2020	12/14/2020	12/15/2020	12/14/2020	12/16/2020	12/18/2020		
137	Dummy records created erroneously	In these GQs an extra blank dummy record was created for each person.		12/9/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/15/2020	12/14/2020	12/16/2020	12/18/2020		
138	GQ kills, GQ resurrections	We have good responses in these GQs, but they were removed because the ETL operation indicated they were nonresidential or Transitory Locations.		12/8/2020	12/8/2020	12/10/2020	12/14/2020	12/14/2020	12/15/2020	12/14/2020	12/16/2020	12/18/2020		

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Additional DRF1 Anomaly Timeline - 4 Anomalies

Task	Planned Start Date	Planned End Date	Actual Start Date	Actual End Date	Status	Notes
Receive requirements for additional DRF1 patches	12/11/2020	12/14/2020	12/11/2020	12/14/2020		Completed
Prepare test environment for additional DRF1 patches	12/12/2020	12/14/2020	12/12/2020	12/14/2020		Completed
Develop additional DRF1 patches	12/8/2020	12/14/2020	12/8/2020	12/18/2020		All 4 patches completed development on 12/14. Patch 131 was reopened during testing. POP and DSSD reviewed test results and determined additional steps were needed to correct issue. Final requirements were received on 12/17. Development completed on 12/18.
Project test additional DRF1 patches	12/14/2020	12/15/2020	12/14/2020	12/18/2020		Completed
Program test additional DRF1 patches	12/14/2020	12/16/2020	12/14/2020	12/19/2020		Completed
Production Implementation additional DRF1 patches	12/17/2020	12/18/2020	12/18/2020	12/21/2020		Completed
SME Validation of additional DRF1 patches	12/22/2020	12/24/2020	12/21/2020	12/24/2020		Completed
Subject Matter Expert Review (POP/DSSD) of Final DRF1 State Based Files (50 State Files, Puerto Rico and DC)	12/22/2020	12/29/2020	12/21/2020	12/26/2020		Completed
Subject Matter Expert Review (POP/DSSD) of Final DRF1 State Based Files (50 State Files, Puerto Rico and DC) and Create Review Complete Memo	12/29/2020	12/29/2020	12/26/2020	12/26/2020		Completed

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DRF1 Anomaly Tracker

Issue ID	Title	Description	Impact	Category	Current Status	Anomaly confirmed	Requirements received	Development started	Development completed	Project level test - individual patch started	Project level test - individual patch completed	Released for SME Review	Completed SME Review	Deploy to production	Status
1	Standard age calculation is incorrect when month and day is missing from the record.	Currently calculation is adding one year. Current standard age is needed for person matching for DRF2 to eliminate duplicates.		Routine coding anomalies	Fixed and in production	11/17/2020	11/19/2020	11/19/2020	11/21/2020	11/21/2020	11/23/2020	11/24/2020	11/25/2020	12/6/2020	
2	Invalidate HU data when associated with GQ Enumeration	When a person responds by self response or NRFU, whose data is also in GQE, DRPS should process GQE response and ignore response from HU.		Routine coding anomalies	Fixed and in production	11/17/2020	11/18/2020	11/19/2020	11/21/2020	11/21/2020	11/23/2020	11/24/2020	11/25/2020	12/6/2020	
7	GQ type code is incorrectly passed to DRPS	There are IDs where GQ type is 999 (GQ unidentified) in DRPS, but they all have GQ type in GEO. It was incorrectly passed to DRPS.		Routine coding anomalies	Fixed and in production	11/17/2020	11/18/2020	11/19/2020	11/21/2020	11/21/2020	11/23/2020	11/28/2020	11/30/2020	12/6/2020	
9	Problem with flagging of NRFU and paper resends	When DRPS receives the record twice, it should keep the recent one. The data was resent to correct output issues. If this issue isn't correct, the most accurate record may not be selected.		Routine coding anomalies	Fixed and in production	11/17/2020	11/18/2020	11/24/2020	11/24/2020	11/24/2020	11/29/2020	11/28/2020	11/30/2020	12/6/2020	
24	Mismatch between GEO and DSSD to identify survivor ID - creating conflict for DRPS to identify and correctly process duplicates	If the issue isn't fix there is a potential of overcount. MAFID A and B will be processed instead of identifying MAFID A or B.		Routine coding anomalies	Fixed and in production	11/17/2020	11/19/2020	11/23/2020	11/25/2020	11/25/2020	11/25/2020	11/25/2020	11/27/2020	12/6/2020	
37	Data-Defined Person (DDP) Mismatch	DDP mismatch between DSSD and DRPS coding. Valid Data-Defined Person is one with sufficient information for processing. Related to special characters provided in the name fields.		Routine coding anomalies	Fixed and in production	11/17/2020	11/19/2020	11/19/2020	11/26/2020	11/29/2020	11/29/2020	11/28/2020	11/30/2020	12/6/2020	

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Issue ID	Title	Description	Impact	Category	Current Status	Anomaly confirmed	Requirements received	Development started	Development completed	Project level test - individual patch started	Project level test - individual patch completed	Released for SME Review	Completed SME Review	Deploy to production	Status
39	GQ Rework	There are GQs where only one person has rework flag yes. This was supposed to be an indication that the GQ (as a whole) was reworked. This indicator invalidates all persons at the GQ who do not have rework indicated. DSSD QC has indicated there was only one GQ flagged for rework. If not corrected this may result in undercount persons.		Unanticipated enumerator action	Fixed and in production	11/17/2020	11/16/2020	11/27/2020	11/27/2020	11/29/2020	11/29/2020	11/29/2020	11/29/2020	12/6/2020	
40	Survivor MAFIDs missing from universe file	For a number of records survivor IDs were chosen incorrectly and were not included in the universe file sent to DRPS. If not fixed, the records will be excluded in DRF2.		Routine coding anomalies	Fixed and in production	11/19/2020	11/20/2020	11/23/2020	11/25/2020	11/25/2020	11/25/2020	11/25/2020	11/29/2020	12/6/2020	
58	NRFU Reinterview records in fail file	If there is one reinterview response in fail file, but two reinterview responses only one response should be flagged for further processing.		Routine coding anomalies	Fixed and in production	11/17/2020	11/19/2020	11/22/2020	11/22/2020	11/23/2020	11/24/2020	11/25/2020	11/29/2020	12/6/2020	
61	GQ Population Reconciliation	DRPS uses the count of ICQs scanned into FOCS/UTS to determine if DRPS has all records accounted for. There was an issue with how UTS calculated this count for special GQ records, which is causing DRPS to generate records erroneously to make up the difference.		Routine coding anomalies	Fixed and in production	11/19/2020	11/21/2020	11/23/2020	11/23/2020	11/23/2020	11/24/2020	11/25/2020	11/28/2020	12/6/2020	
71	Error in exception handling of brother/sister relationship variables set	Fix required to identify the correct relationship variable during exception handling.		Routine coding anomalies	Fixed and in production	11/17/2020	11/19/2020	11/19/2020	11/23/2020	11/23/2020	11/24/2020	11/25/2020	11/25/2020	12/6/2020	
73	Person records without associated housing unit records	For paper responses where respondent doesn't complete the housing unit questions, but does complete person level questions, DRPS must generate housing unit record for the persons. There was coding error associating person level data to a correct state. If this error isn't corrected demographic data for persons will be missed, and may impact the final pop counts.		Routine coding anomalies	Fixed and in production	11/17/2020	11/19/2020	11/28/2020	11/28/2020	11/29/2020	11/29/2020	11/28/2020	11/30/2020	12/6/2020	

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Issue ID	Title	Description	Impact	Category	Current Status	Anomaly confirmed	Requirements received	Development started	Development completed	Project level test - individual patch started	Project level test - individual patch completed	Released for SME Review	Completed SME Review	Deploy to production	Status
89	Continuation form linking for UE	When continuation forms were resent and when a SESSION_CONTEXT_CODE=76 (dummy) record was generated, that continuation form is linking to a wrong parent. Also when both records from a continuation form are placed into a HU that both records are not being identified as duplicates.		Routine coding anomalies	Fixed and in production	11/19/2020	11/24/2020	11/28/2020	11/29/2020	11/29/2020	11/29/2020	11/29/2020	11/30/2020	12/6/2020	
94	GQ Non-Residential Conversions	When GQ is converted into Non-residential unit it should be placed into housing unit tables. If not corrected, the record won't be counted into CUF.		Routine coding anomalies	Fixed and in production	11/20/2020	11/22/2020	11/24/2020	11/25/2020	11/25/2020	11/25/2020	11/25/2020	11/27/2020	12/6/2020	
95	GQ Overcount at universities	In certain universities, each dorm has attached the counts for total GQ, which creates significant overcount.		Unanticipated respondent action	Fixed and in production	11/21/2020	11/22/2020	11/24/2020	11/27/2020	11/27/2020	11/28/2020	11/28/2020	11/29/2020	12/6/2020	
131	Problem with assignment of age	On the NRFU review screen, the interviewer can update a person's age without updating the date of birth (DOB).		Routine coding anomalies	Fixed and in production	12/12/2020	12/17/2020 12/10/2020	12/17/2020 12/13/2020	12/18/2020 12/14/2020	12/18/2020 12/14/2020	12/18/2020 12/15/2020	12/18/2020 12/14/2020	12/20/2021 12/15/2020	12/21/2020	
135	GQs from Redistribution Converted to HUs	In some GQs facilities, all person records were reported in one or several GQs rather than across the actual GQs.		Unanticipated respondent action	Fixed and in production	12/9/2020	12/12/2020	12/13/2020	12/14/2020	12/14/2020	12/15/2020	12/14/2020	12/16/2020	12/18/2020	
137	Dummy records created erroneously	In these GQs an extra blank dummy record was created for each person.		Routine coding anomalies	Fixed and in production	12/9/2020	12/14/2020	12/14/2020	12/14/2020	12/14/2020	12/15/2020	12/14/2020	12/16/2020	12/18/2020	
138	GQ kills, GQ resurrections	We have good responses in these GQs, but they were removed because the ETL operation indicated they were nonresidential or Transitory Locations.		Routine coding anomalies	Fixed and in production	12/8/2020	12/8/2020	12/10/2020	12/14/2020	12/14/2020	12/15/2020	12/14/2020	12/16/2020	12/18/2020	

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DRF1 Anomaly Timeline - 19 Anomalies

Task	Planned Start Date	Planned End Date	Actual Start Date	Actual End Date	Status	Notes
Test Data Preparation	11/19/2020	11/21/2020	11/18/2020	11/19/2020	Completed	
Requirements Validation	11/18/2020	11/21/2020	11/18/2020	11/24/2020	Completed	
Development	11/19/2020	11/28/2020	11/19/2020	11/29/2020	Completed	
Project Test - Individual patches	11/22/2020	11/28/2020	11/21/2020	11/29/2020	Completed	
Project Test - Comprehensive patch for implementation	11/29/2020	12/1/2020	11/30/2020	12/1/2020	Completed	
Program Test	12/1/2020	12/5/2020	12/1/2020	12/5/2020	Completed	
Patch implementation in Production	12/6/2020	12/7/2020	12/6/2020	12/7/2020	Completed	
POP and DSSD verify patches	12/8/2020	12/10/2020	12/7/2020	12/16/2020	Completed	15 Anomalies validated by SMEs on 12/16. DRF2 is on hold, pending additional DRF1 anomalies.
Subject Matter Expert Review (POP/DSSD) of Final DRF1 State Based Files (50 State Files, Puerto Rico and DC) and Create Review Complete Memo	12/8/2020	12/14/2020	12/26/2020	12/26/2020	Completed	All DRF1 anomalies completed and verified on 12/24. Final DRF1 State based files review and memo completion on 12/26.





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Issue ID	Title	Category	Current Status	PSA/Patch	Anomaly confirmed	Requirements received	Development started	Development completed	Project level test - individual patch started	Project level test - individual patch completed	Released for SME Review	Completed SME Review	Deploy to production	Status	Notes
A	Issue with person grouping (GQ)	Routine coding anomalies	Ready for deployment in production	PSA	12/27/2020	12/27/2020	12/29/2020	1/4/2021	1/8/2021	1/10/2021	1/16/2021	1/19/2021			
1	GQs with only nonGQE responses	Routine coding anomalies	Ready for deployment in production	PSA	12/27/2020	12/30/2020	1/1/2021	1/11/2021 1/6/2021	1/12/2021 1/8/2021	1/12/2021 1/10/2021	1/16/2021	1/19/2021			The issue re-opened during project test
2	Same person from 2 UHE GQ pointing to same HU	Routine coding anomalies	Ready for deployment in production	PSA	12/27/2020	12/30/2020	1/2/2021	1/4/2021	1/8/2021	1/10/2021	1/16/2021	1/20/2021			
3	CI Persons pointing to a GQ	Routine coding anomalies	Ready for deployment in production	PSA	1/2/2021	1/3/2021	1/4/2021	1/5/2021	1/8/2021	1/10/2021	1/16/2021	1/20/2021			
4	Homeless invalidated	Routine coding anomalies	Ready for deployment in production	PSA	12/30/2020	1/4/2021	1/4/2021	1/6/2021	1/8/2021	1/10/2021	1/16/2021	1/19/2021			
5	Adding variables	Routine coding anomalies	Ready for deployment in production	PSA	1/2/2021	1/3/2021	1/5/2021	1/6/2021	1/8/2021	1/10/2021	1/16/2021	1/19/2021			
7	Linking to SRQA file	Routine coding anomalies	Ready for deployment in production	PSA	1/3/2021	1/4/2021	1/5/2021	1/6/2021	1/8/2021	1/10/2021	1/16/2021	1/19/2021			
8	PSA delete	Routine coding anomalies	Ready for deployment in production	PSA	1/4/2021	1/4/2021	1/5/2021	1/6/2021	1/8/2021	1/10/2021	1/16/2021	1/20/2021			
B	SCC 77	Routine coding anomalies	Ready for deployment in production	PSA	1/1/2021	1/1/2021	1/2/2021	1/4/2021	1/8/2021	1/10/2021	1/16/2021	1/19/2021			
141	Issue with baby flag	Unanticipated respondent action	Ongoing development and test	Post GQ Pop Count Patch	1/3/2021	1/4/2021	1/5/2021	1/6/2021	1/8/2021	1/10/2021					
144	FORM_SEQ with Inconsistent MAFIDs	Routine coding anomalies	Fixed and in production	Pre-PSA Patch	1/1/2021	1/3/2021	1/4/2021	1/6/2021	1/8/2021	1/8/2021	1/16/2021	1/18/2021	1/25/2021		
C	Removing Duplicate Person Enumerations in the GQ patch	Unanticipated respondent action	Ongoing development and test	Post GQ Pop Count Patch	12/22/2021	12/22/2021	1/4/2021	1/6/2021	1/8/2021	1/10/2021					
D	GQ Reallocation	Unanticipated respondent action	Fixed and in production	Pre-PSA Patch	1/4/2021	1/4/2021	1/6/2021	1/6/2021	1/8/2021	1/10/2021	1/16/2021	1/20/2021	1/25/2021		
149	Special pop	Routine coding anomalies	Ongoing development and test	Post GQ Pop Count Patch	1/5/2021	1/6/2021	1/6/2021	1/7/2021	1/8/2021	1/10/2021					

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
DRF2 Anomaly Timeline

ID	Task	Schedule Start	Schedule Finish	Actual Start Date	Actual End Date	Previous Status	Status	Notes
	10.f. DRF2 Creation and Processing							
10f.1	Test Data Preparation	N/A	N/A	12/29/2020	12/29/2020			
10f.2	Requirements Validation	N/A	N/A	12/29/2020	1/5/2021			
10f.3	Development	N/A	N/A	12/29/2020	1/7/2021			
10f.4	Project Test (+ rerun DRF2)	N/A	N/A	1/8/2021	1/12/2021			
10f.5	Program Test	N/A	N/A	1/8/2021	1/16/2021			Actual final input file for pre-PSA patch D received on 1/10. Nationwide matching file received on 1/10.
10f.6	Test validation by SMEs	N/A	N/A	1/16/2021	1/20/2021			
10f.7	Complete refresh	1/18/2021	1/19/2021	1/18/2021	1/20/2021			
10f.8	Run pre PSA patches	1/20/2021	1/20/2021	1/20/2021	1/20/2021			
10f.9	Release for SME review	1/20/2021	1/20/2021	1/20/2021	1/20/2021			
10f.10	Review for Pre-PSA patches completed	1/21/2021	1/21/2021	1/20/2021	1/20/2021			
10f.11	Project test PSA 3.0.8	1/19/2021	1/20/2021	1/20/2021	1/21/2021			
10f.12	Deploy PSA 3.0.8 to program test	1/20/2021	1/20/2021	1/20/2021	1/20/2021			
10f.13	Run PSA 3.0.8 in program test	1/22/2021	1/24/2021	1/20/2021	1/22/2021			
10f.14	Release for SME review (PSA 3.0.8)	1/22/2021	1/22/2021	1/22/2021	1/22/2021			
10f.15	Review PSA 3.0.8 by SMEs completed	1/24/2021	1/24/2021	1/24/2021	1/24/2021			
10f.16	Run Pre-PSA patches in production	1/25/2021	1/25/2021	1/25/2021	1/25/2021			
10f.17	Release for SME review (pre-PSA patches)	1/26/2021	1/26/2021	1/25/2021	1/25/2021			
10f.18	Pre-PSA patches review completed	1/27/2021	1/27/2021					

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DRF2 Anomaly Timeline

ID	Task	Schedule Start	Schedule Finish	Actual Start Date	Actual End Date	Previous Status	Status	Notes
10f.19	DRF2 Re-Run in production	1/28/2021	1/30/2021					
10g	Deliver all DRF2-state files to POP and DSSD	1/30/2021	1/30/2021					
10h	POP and DSSD review all DRF2 state files	1/30/2021	2/3/2021					
10i	POP/DSSD review of all DRF2-state files complete	2/3/2021	2/3/2021					
10.h1	Receive final input files for GQ Pop Count patch and patch C	2/3/2021	2/3/2021					1. GQ count imputation file 2. GQ duplicates to be removed
10.h2	Conduct final program test for GQ Pop Count patch (includes patch C, 141, 149)	2/4/2021	2/4/2021					
10i.1	SME validation of GQ Pop Count patch (includes patch C, 141, 149) in program test	2/5/2021	2/7/2021					
10i.2	GQ Pop Count patch re-run in program test	2/8/2021	2/14/2021					Includes development, project test, program test and SME validation time
10j	Implement DRF2 GQ Pop Count patch after DRF2 file validation by SMEs in production	2/15/2021	2/16/2021					Includes post-GQ Pop Count patch to remove Duplicate Person Enumerations in the GQ patch (patch C), patch 141 and 149.
10k	SME initial validation of DRF2 GQ Pop Count Patch in production	N/A	N/A					
10l	SME final validation of DRF2 GQ Pop Count patch in production	2/17/2021	2/21/2021					

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DRF1 Anomaly Summary

Issue ID	Title	Requirements received	Development started	Development completed	Project level test - individual patch started	Project level test - individual patch completed	Released for SME Review	Completed SME Review	Notes
1	Standard age calculation is incorrect when month and day is missing from the record.	1	1	1	1	1	1	1	
2	Invalidate HU data when associated with GQ Enumeration	1	1	1	1	1	1	1	
7	GQ type code is incorrectly passed to DRPS	1	1	1	1	1	1	1	
9	Problem with flagging of NRFU and paper resends	1	1	1	1	1	1	1	
24	Mismatch between GEO and DSSD to identify survivor ID - creating conflict for DRPS to identify and correctly process duplicates	1	1	1	1	1	1	1	
37	Data-Defined Person (DDP) Mismatch	1	1	1	1	1	1	1	
39	GQ Rework	1	1	1	1	1	1	1	
40	Survivor MAFIDs missing from universe file	1	1	1	1	1	1	1	
58	NRFU Reinterview records in fail file	1	1	1	1	1	1	1	
61	GQ Population Reconciliation	1	1	1	1	1	1	1	
71	Error in exception handling of brother/sister relationship variables set	1	1	1	1	1	1	1	
73	Person records without associated housing unit records	1	1	1	1	1	1	1	
89	Continuation form linking for UE	1	1	1	1	1	1	1	
94	GQ Non-Residential Conversions	1	1	1	1	1	1	1	
95	GQ Overcount at universities	1	1	1	1	1	1	1	
	Grand Total as of 12/4	15	15	15	15	15	15	15	
	Grand Total as of 11/23	14	9	7	6	0	0	0	

Issue ID	Title	Description	Impact	Anomaly confirmed	Requirements received	Development started	Development completed	Project level test - individual patch started	Project level test - individual patch completed	Released for SME Review	Completed SME Review	Deploy to production	Status	Notes	Complexity
1	Standard age calculation is incorrect when month and day is missing from the record.	Currently calculation is adding one year. Current standard age is needed for person matching for DRF2 to eliminate duplicates.		11/17/2020	11/19/2020	11/19/2020	11/21/2020	11/21/2020	11/23/2020	11/24/2020	11/25/2020	12/6/2020			Low
2	Invalidate HU data when associated with GQ Enumeration	When a person responds by self response or NRFU, whose data is also in GQE, DRPS should process GQE response and ignore response from HU.		11/17/2020	11/18/2020	11/19/2020	11/21/2020	11/21/2020	11/23/2020	11/24/2020	11/25/2020	12/6/2020			Med
7	GQ type code is incorrectly passed to DRPS	There are XXX IDs where GQ type is 999 (GQ unidentified) in DRPS, but they all have GQ type in GEO. It was incorrectly passed to DRPS.		11/17/2020	11/18/2020	11/19/2020	11/21/2020	11/21/2020	11/23/2020	11/28/2020	11/30/2020	12/6/2020			Med
9	Problem with flagging of NRFU and paper resends	When DRPS receives the record twice, it should keep the recent one. The data was resent to correct output issues. If this issue isn't correct, the most accurate record may not be selected.		11/17/2020	11/18/2020	11/24/2020	11/24/2020	11/24/2020	11/29/2020	11/28/2020	11/30/2020	12/6/2020			Med
24	Mismatch between GEO and DSSD to identify survivor ID - creating conflict for DRPS to identify and correctly process duplicates	If the issue isn't fix there is a potential of overcount. MAFID A and B will be processed instead of identifying MAFID A or B.		11/17/2020	11/19/2020	11/23/2020	11/25/2020	11/25/2020	11/25/2020	11/25/2020	11/27/2020	12/6/2020			High
37	Data-Defined Person (DDP) Mismatch	DDP mismatch between DSSD and DRPS coding. Valid Data-Defined Person is one with sufficient information for processing. Related to special characters provided in the name fields.		11/17/2020	11/19/2020	11/19/2020	11/26/2020	11/29/2020	11/29/2020	11/28/2020	11/30/2020	12/6/2020			Med

Legend	
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Issue ID	Title	Description	Impact	Anomaly confirmed	Requirements received	Development started	Development completed	Project level test - individual patch started	Project level test - individual patch completed	Released for SME Review	Completed SME Review	Deploy to production	Status	Notes	Complexity
39	GQ Rework	There are GQs where only one person has rework flag yes. This was supposed to be an indication that the GQ (as a whole) was reworked. This indicator invalidates all persons at the GQ who do not have rework indicated. DSSD QC has indicated there was only one GQ flagged for rework. If not corrected this may result in undercount persons.		11/17/2020	11/16/2020	11/27/2020	11/27/2020	11/29/2020	11/29/2020	11/29/2020	11/29/2020	12/6/2020			Med
40	Survivor MAFIDs missing from universe file	For XXX records survivor IDs were chosen incorrectly and were not included in the universe file sent to DRPS. If not fixed, the records will be excluded in DRF2.		11/19/2020	11/20/2020	11/23/2020	11/25/2020	11/25/2020	11/25/2020	11/25/2020	11/29/2020	12/6/2020			Med
58	NRFU Reinterview records in fail file	If there is one reinterview response in fail file, but two reinterview responses only one response should be flagged for further processing.		11/17/2020	11/19/2020	11/22/2020	11/22/2020	11/23/2020	11/24/2020	11/25/2020	11/29/2020	12/6/2020			Low
61	GQ Population Reconciliation	DRPS uses the count of ICQs scanned into FOCS/UTS to determine if DRPS has all records accounted for. There was an issue with how UTS calculated this count for special GQ records, which is causing DRPS to generate records erroneously to make up the difference.		11/19/2020	11/21/2020	11/23/2020	11/23/2020	11/23/2020	11/24/2020	11/25/2020	11/28/2020	12/6/2020			Med
71	Error in exception handling of brother/sister relationship variables set	Fix required to identify the correct relationship variable during exception handling.		11/17/2020	11/19/2020	11/19/2020	11/23/2020	11/23/2020	11/24/2020	11/25/2020	11/25/2020	12/6/2020			Med





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Issue ID	Title	Description	Impact	Anomaly confirmed	Requirements received	Development started	Development completed	Project level test - individual patch started	Project level test - individual patch completed	Released for SME Review	Completed SME Review	Deploy to production	Status	Notes	Complexity
73	Person records without associated housing unit records	For paper responses where respondent doesn't complete the housing unit questions, but does complete person level questions, DRPS must generate housing unit record for the persons. There was coding error associating person level data to a correct state. If this error isn't corrected demographic data for persons will be missed, and may impact the final pop counts.		11/17/2020	11/19/2020	11/28/2020	11/28/2020	11/29/2020	11/29/2020	11/28/2020	11/30/2020	12/6/2020			High
89	Continuation form linking for UE	When continuation forms were resent and when a SESSION_CONTEXT_CODE=76 (dummy) record was generated, that continuation form is linking to a wrong parent. Also when both records from a continuation form are placed into a HU that both records are not being identified as duplicates.		11/19/2020	11/24/2020	11/28/2020	11/29/2020	11/29/2020	11/29/2020	11/29/2020	11/30/2020	12/6/2020			High
94	GQ Non-Residential Conversions	When GQ is converted into Non-residential unit it should be placed into housing unit tables. If not corrected, the record won't be counted into CUF.		11/20/2020	11/22/2020	11/24/2020	11/25/2020	11/25/2020	11/25/2020	11/25/2020	11/27/2020	12/6/2020			High
95	GQ Overcount at universities	In certain universities, each dorm has attached the counts for total GQ, which creates significant overcount.		11/21/2020	11/22/2020	11/24/2020	11/27/2020	11/27/2020	11/28/2020	11/28/2020	11/29/2020	12/6/2020			High

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DRF1 Anomaly Timeline - 15 Anomalies

Task	Planned Start Date	Planned End Date	Actual Start Date	Actual End Date	Status	Notes
Test Data Preparation	11/19/2020	11/21/2020	11/18/2020	11/19/2020	Completed	Completed
Requirements Validation	11/18/2020	11/21/2020	11/18/2020	11/24/2020	Completed	Completed
Development	11/19/2020	11/28/2020	11/19/2020	11/29/2020	Completed	Completed
Project Test - Individual patches	11/22/2020	11/28/2020	11/21/2020	11/29/2020	Completed	Completed
Project Test - Comprehensive patch for implementation	11/29/2020	12/1/2020	11/30/2020	12/1/2020	Completed	Completed
Program Test	12/1/2020	12/5/2020	12/1/2020	12/5/2020	Completed	Completed
Patch implementation in Production	12/6/2020	12/7/2020	12/6/2020	12/7/2020	Completed	Completed
POP and DSSD verify patches	12/8/2020	12/10/2020	12/7/2020	12/16/2020	Completed	15 Anomalies validated by SMEs on 12/16. DRF2 is on hold, pending additional DRF1 anomalies.
Subject Matter Expert Review (POP/DSSD) of Final DRF1 State Based Files (50 State Files, Puerto Rico and DC) and Create Review Complete Memo	12/8/2020	12/14/2020	12/26/2020	12/26/2020	Completed	All DRF1 anomalies (15 + additional anomalies) completed and verified on 12/24. Final DRF1 State based files review and memo completion on 12/26.

Legend	
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DRF2 Anomaly Summary





Issue ID	Title	Requirements received	Development started	Development completed	Project level test started	Project level test completed	Released for SME Review (Program Test)	Completed SME Review (Program Test)	Notes
A	Issue with person grouping (GQ)	1	1	1	1	1	1	1	
1	GQs with only nonGQE responses	1	1	1	1	1	1	1	
2	Same person from 2 UHE GQ pointing to same HU	1	1	1	1	1	1	1	
3	CI Persons pointing to a GQ	1	1	1	1	1	1	1	
4	Homeless invalidated	1	1	1	1	1	1	1	
5	Adding variables	1	1	1	1	1	1	1	
6	Linking to nationwide matching input								DSSD confirmed this anomaly doesn't require a software fix
7	Linking to SRQA file	1	1	1	1	1	1	1	
8	PSA delete	1	1	1	1	1	1	1	
B	SCC 77	1	1	1	1	1	1	1	
141	Issue with baby flag	1	1	1	1	1	1	1	Post GQ Pop Count patch
144	FORM_SEQ with Inconsistent MAFIDs	1	1	1	1	1	1	1	
C	Removing Duplicate Person Enumerations in the GQ patch	1	1	1	1	1	1	1	Post GQ Pop Count patch
D	GQ Reallocation	1	1	1	1	1	1	1	
149	Special pop	1	1	1	1	1	1	1	Post GQ Pop Count patch
Grand Total as of 2/15/21		14	14	14	14	14	14	14	
Grand Total as of 1/4/21		9	5	0	0	0	0	0	

Issue ID	Title	PSA/Patch	Anomaly confirmed	Requirements received	Development started	Development completed	Project level test started	Project level test completed	Released for SME Review	Completed SME Review	Deploy to production	Status	Notes
A	Issue with person grouping (GQ)	PSA	12/27/2020	12/27/2020	12/29/2020	1/4/2021	1/8/2021	1/10/2021	1/16/2021	1/19/2021	1/26/2021		
1	GQs with only nonGQE responses	PSA	12/27/2020	12/30/2020	1/1/2021	1/11/2021 1/6/2021	1/12/2021 1/8/2021	1/12/2021 1/10/2021	1/16/2021	1/19/2021	1/26/2021		The issue re-opened during project test
2	Same person from 2 UHE GQ pointing to same HU	PSA	12/27/2020	12/30/2020	1/2/2021	1/4/2021	1/8/2021	1/10/2021	1/16/2021	1/20/2021	1/26/2021		
3	CI Persons pointing to a GQ	PSA	1/2/2021	1/3/2021	1/4/2021	1/5/2021	1/8/2021	1/10/2021	1/16/2021	1/20/2021	1/26/2021		
4	Homeless invalidated	PSA	12/30/2020	1/4/2021	1/4/2021	1/6/2021	1/8/2021	1/10/2021	1/16/2021	1/19/2021	1/26/2021		
5	Adding variables	PSA	1/2/2021	1/3/2021	1/5/2021	1/6/2021	1/8/2021	1/10/2021	1/16/2021	1/19/2021	1/26/2021		
6	Linking to nationwide matching input (no longer an active anomaly)	PSA											DSSD confirmed this anomaly doesn't require a software fix
7	Linking to SRQA file	PSA	1/3/2021	1/4/2021	1/5/2021	1/6/2021	1/8/2021	1/10/2021	1/16/2021	1/19/2021	1/26/2021		
8	PSA delete	PSA	1/4/2021	1/4/2021	1/5/2021	1/6/2021	1/8/2021	1/10/2021	1/16/2021	1/20/2021	1/26/2021		
B	SCC 77	PSA	1/1/2021	1/1/2021	1/2/2021	1/4/2021	1/8/2021	1/10/2021	1/16/2021	1/19/2021	1/26/2021		
141	Issue with baby flag	Post GQ Pop Count Patch	1/3/2021	1/4/2021	1/5/2021	1/6/2021	1/8/2021	1/10/2021	2/3/2021	2/6/2021	2/8/2021		Results in an overcount if not corrected
144	FORM_SEQ with Inconsistent MAFIDs	Pre-PSA Patch	1/1/2021	1/3/2021	1/4/2021	1/6/2021	1/8/2021	1/8/2021	1/16/2021	1/18/2021	1/25/2021		Results in an undercount if not corrected
C	Removing Duplicate Person Enumerations in the GQ patch	Post GQ Pop Count Patch	12/22/2021	12/22/2021	1/4/2021	1/6/2021	1/8/2021	1/10/2021	2/3/2021	2/6/2021	2/8/2021		Results in an overcount if not corrected
D	GQ Reallocation	Pre-PSA Patch	1/4/2021	1/4/2021	1/6/2021	1/6/2021	1/8/2021	1/10/2021	1/16/2021	1/20/2021	1/25/2021		This is DSSD DRF1 patch executed for GQ reallocation. Requires input file from DSSD. Delivered on 1/10
149	Special pop	Post GQ Pop Count Patch	1/5/2021	1/6/2021	1/6/2021	1/7/2021	1/8/2021	1/10/2021	2/3/2021	2/6/2021	2/8/2021		Privacy issue

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
DRF2 Anomaly Timeline

Task	Planned Start Date	Planned End Date	Actual Start Date	Actual End Date	Status	Notes
Test Data Preparation	12/29/2020	12/29/2020	12/29/2020	12/29/2020		
Requirements Validation	12/29/2020	1/4/2021	12/29/2020	1/5/2021		
Development	12/29/2020	1/7/2021	12/29/2020	1/7/2021		
Project Test (+ rerun DRF2)	1/8/2021	1/10/2021	1/8/2021	1/12/2021		
Program Test	1/11/2021	1/14/2021	1/8/2021	1/16/2021		Actual final input file for pre-PSA patch D received on 1/10. Nationwide matching file received on 1/10.
Test validation by SMEs	1/16/2021	1/20/2021	1/16/2021	1/20/2021		GQ reallocation patch didn't correctly run in program test, we re-ran in different test env and is verified by SMEs; Issue 1 is fixed in PSA 3.0.8. Next course of action is to re-run GQ reallocation and PSA 3.0.8 in program test again prior to production run.
Complete refresh in program test	1/18/2021	1/19/2021	1/18/2021	1/20/2021		
Run pre PSA patches in program test	1/20/2021	1/20/2021	1/20/2021	1/20/2021		
Release for SME review in program test	1/20/2021	1/20/2021	1/20/2021	1/20/2021		
Review for Pre-PSA patches in program test completed	1/21/2021	1/21/2021	1/20/2021	1/20/2021		
Project test PSA 3.0.8	1/19/2021	1/20/2021	1/20/2021	1/21/2021		
Deploy PSA 3.0.8 to program test	1/20/2021	1/20/2021	1/20/2021	1/20/2021		
Run PSA 3.0.8 in program test	1/22/2021	1/24/2021	1/20/2021	1/22/2021		
Release for SME review (PSA 3.0.8)	1/22/2021	1/22/2021	1/22/2021	1/22/2021		
Review PSA 3.0.8 by SMEs completed	1/24/2021	1/24/2021	1/24/2021	1/24/2021		
Run Pre-PSA patches in production	1/25/2021	1/25/2021	1/25/2021	1/25/2021		

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DRF2 Anomaly Timeline

Task	Planned Start Date	Planned End Date	Actual Start Date	Actual End Date	Status	Notes
Release for SME review (pre-PSA patches)	1/26/2021	1/26/2021	1/25/2021	1/25/2021		
Pre-PSA patches review completed	1/27/2021	1/27/2021	1/26/2021	1/26/2021		
DRF2 Re-Run in production	1/28/2021	1/30/2021	1/26/2021	1/28/2021		
Deliver all DRF2-state files to POP and DSSD	1/30/2021	1/30/2021	1/28/2021	1/28/2021		
POP and DSSD review all DRF2 state files	1/30/2021	2/3/2021	1/28/2021	2/2/2021		
POP/DSSD review of all DRF2-state files complete	2/3/2021	2/3/2021	2/2/2021	2/2/2021		
Receive final input files for GQ Pop Count patch and patch C	2/3/2021	2/3/2021	2/3/2021	2/3/2021		1. GQ count imputation file 2. GQ duplicates to be removed
Conduct final program test for GQ Pop Count patch (includes patch C, 141, 149)	2/4/2021	2/4/2021	2/3/2021	2/3/2021		
SME validation of GQ Pop Count patch (includes patch C, 141, 149) in program test	2/5/2021	2/7/2021	2/4/2021	2/6/2021		
GQ Pop Count patch re-run in program test	2/8/2021	2/14/2021	N/A	N/A		Includes development, project test, program test and SME validation time. Program test showed no re-run needed
Implement DRF2 GQ Pop Count patch after DRF2 file validation by SMEs in production	2/15/2021	2/16/2021	2/8/2021	2/8/2021		Includes post-GQ Pop Count patch to remove Duplicate Person Enumerations in the GQ patch (patch C), patch 141 and 149.
SME initial validation of DRF2 GQ Pop Count Patch in production	N/A	N/A	N/A	N/A		
SME final validation of DRF2 GQ Pop Count patch in production	2/17/2021	2/21/2021	2/9/2021	2/13/2021		

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