

2020 Census Program Management Review

2015 Census Test Preliminary Findings

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V1.0 Final

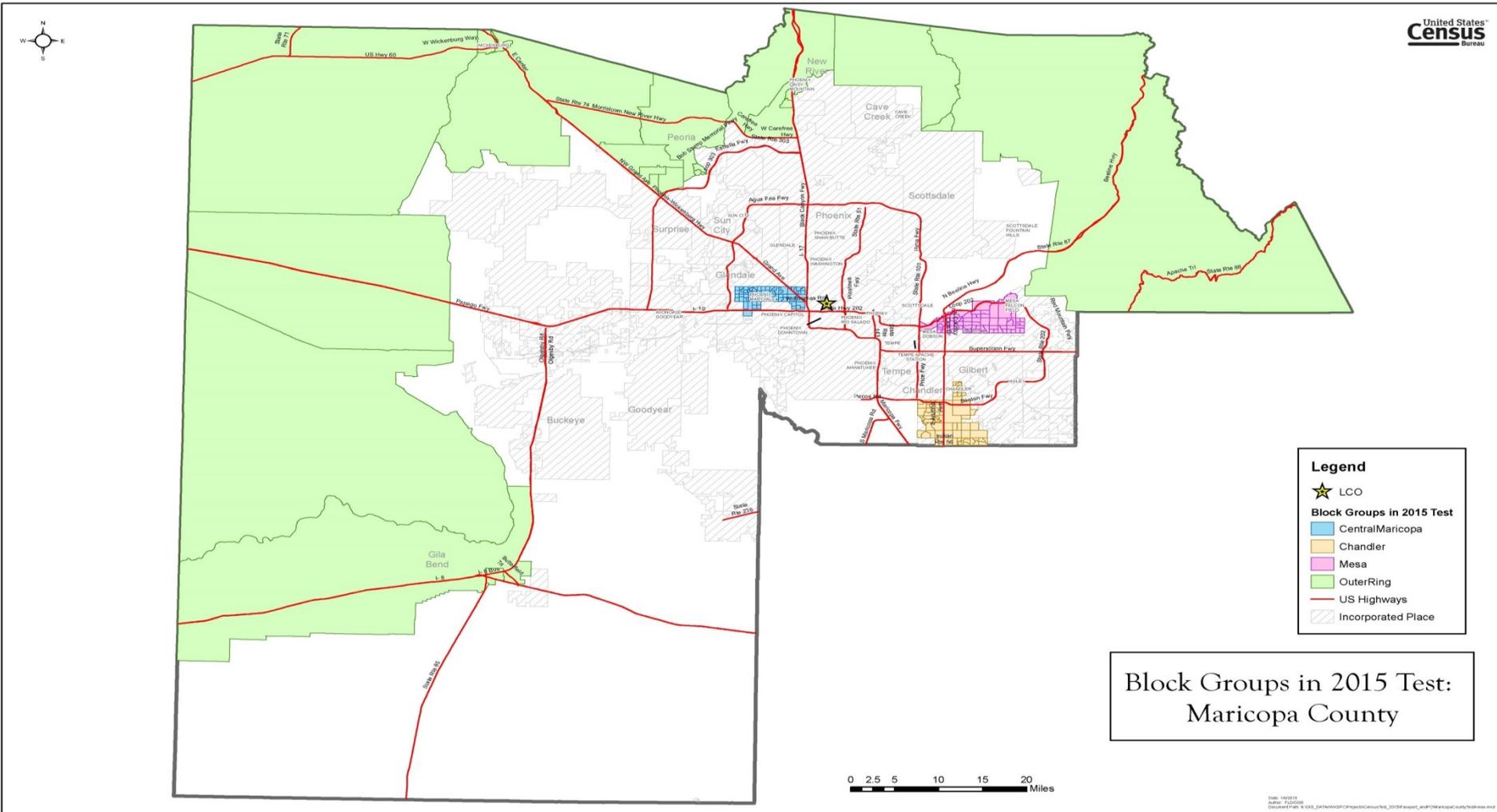
Outline

- Test Objectives
- Review of Site Test Details
- Key Milestones
- Administrative Records Processing
- NRFU Workload
- USPS Support
- Training
- COMPASS
- Procedures
- Field Reengineering
- BYOD
- EFU
- Next Steps

2015 Census Test Objectives

- Test the feasibility of fully utilizing a field operations management system that leverages planned automation and available real-time data, as well as data households have already provided to the government, to transform the efficiency and effectiveness of data collection operations.
- Reduce Nonresponse Followup (NRFU) workload and increase NRFU productivity with Administrative Records, Field Reengineering, and Adaptive Design.
- Test operational implementation of the Bring Your Own Device (BYOD) option for enumeration.

Test Site: Maricopa County, Arizona



Key Milestones

- ✓ **Local Census Office Open** – 1/26/2015
- ✓ **OMB Package Approval** – 2/17/2015
- ✓ **Send Self-Response Postcards-Letter** – 3/20/2015
- ✓ **Begin Self-Response Data Collection** – 3/23/2015
- ✓ **Self-Response first reminder** – 3/27/2015
- ✓ **Census Day** – 4/1/2015
- ✓ **Self-Response second reminder** – 4/3/2015
- ✓ **Final reminders with Paper Questionnaires** – 4/10/2015
- ✓ **Systems Ready for NRFU** – 4/15/2015
- ✓ **Recruiting** – 11/24/2014 – 4/15/2015
- ✓ **Training** – 4/13/2015 – 5/20/2015
- ✓ **NRFU** – 5/14/2015 – 6/23/2015
- ✓ **BYOD** – 6/15/15 – 6/27/2015
- **Focus Groups** – 7/13/2015 – 7/16/2015
- **EFU** – 7/20/2015 – 8/14/2015

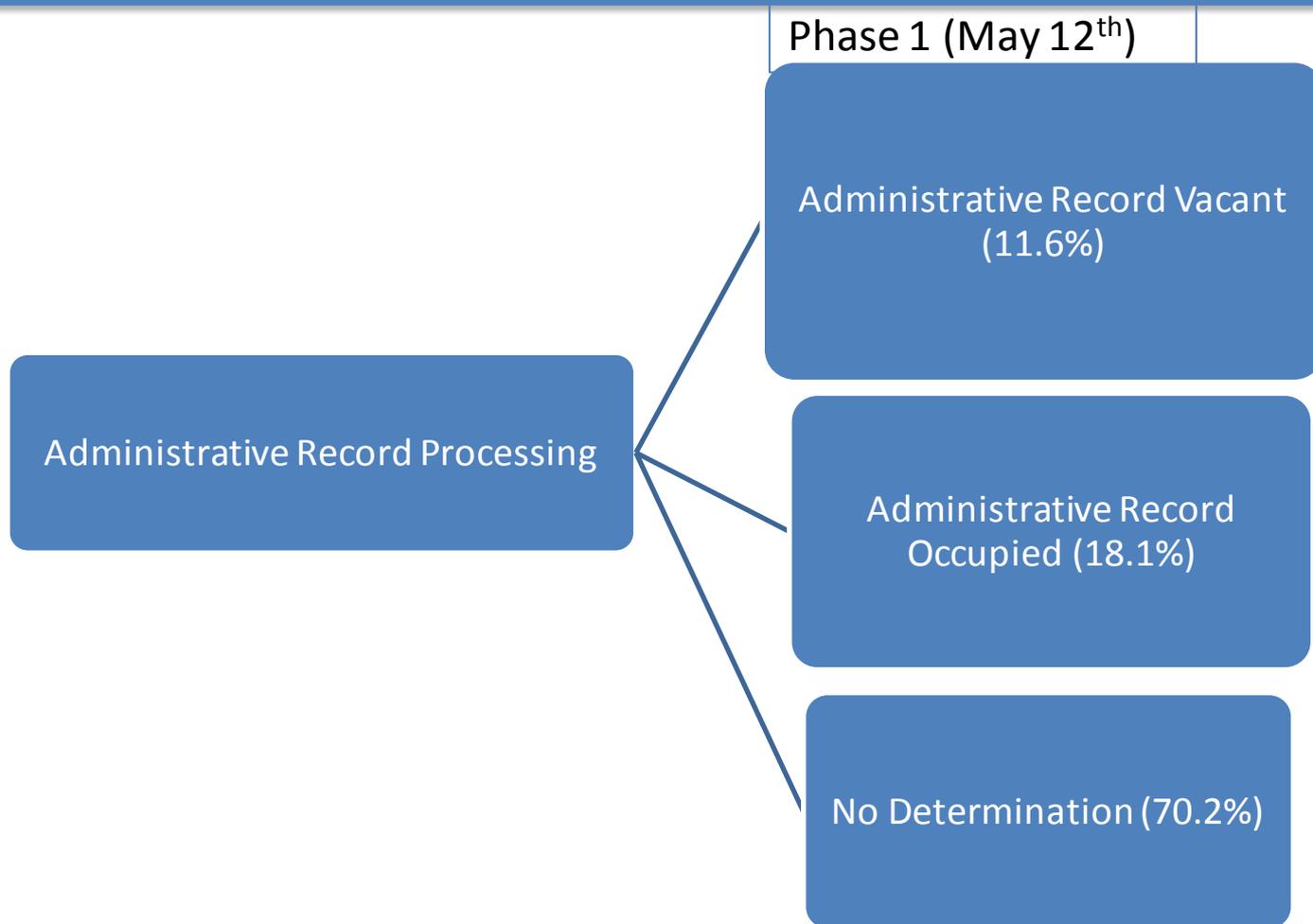
Administrative Record Identification

- Data sources
- Identification Results
 - Phase 1 (May 12th)
 - Phase 2 (June 5th)
- Characteristics of the Identified Units

Administrative Records Identification Files

- Internal Revenue Service Individual Income Tax Returns
- Internal Revenue Service Information Returns
- Center for Medicare and Medicaid Statistics Medicare Enrollment Database
- Indian Health Service Patient Database
- Social Security Number Identification File
- United States Postal Service Undeliverable-As-Address information
- Targus Federal Consumer File
- Fitness for Use Best Race and Hispanic origin Assignment

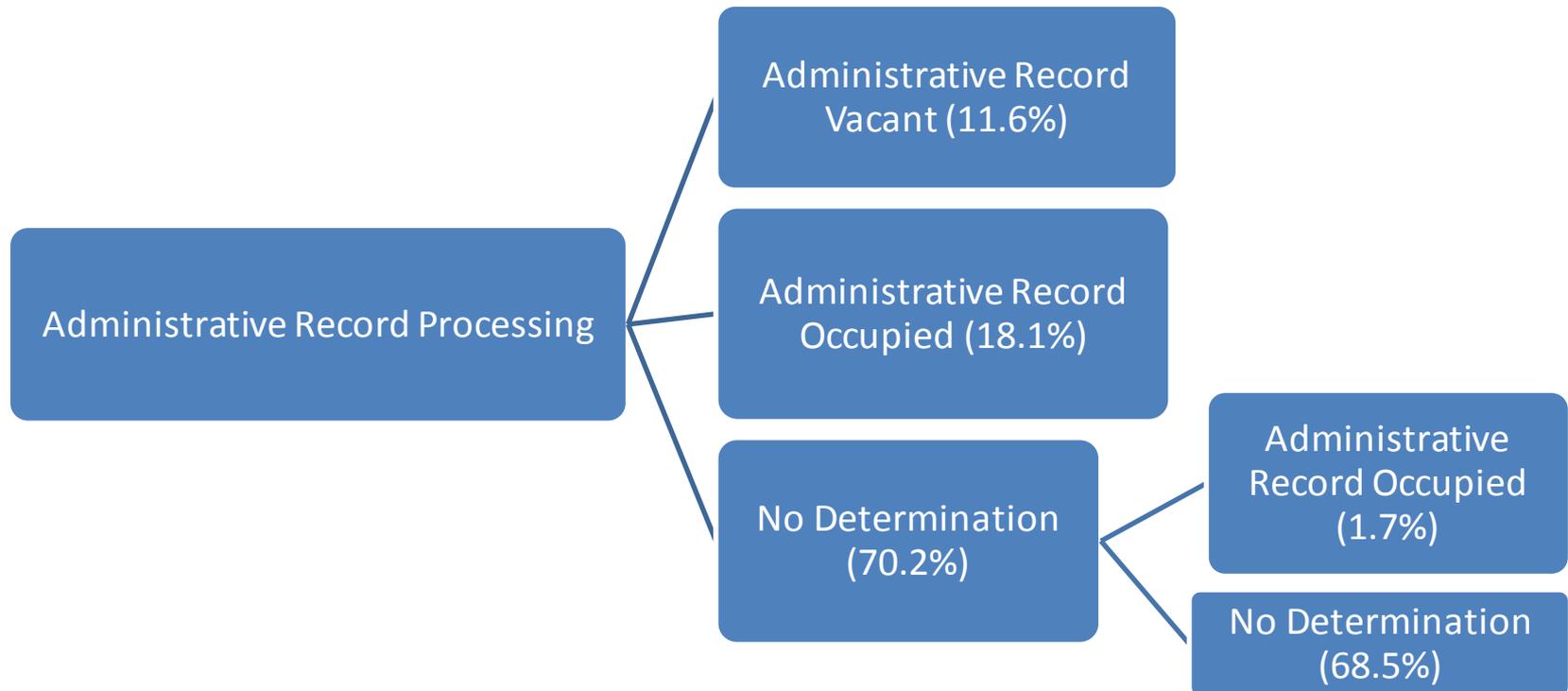
Administrative Records Identification Results



Administrative Records Identification Results

Phase 1 (May 12th)

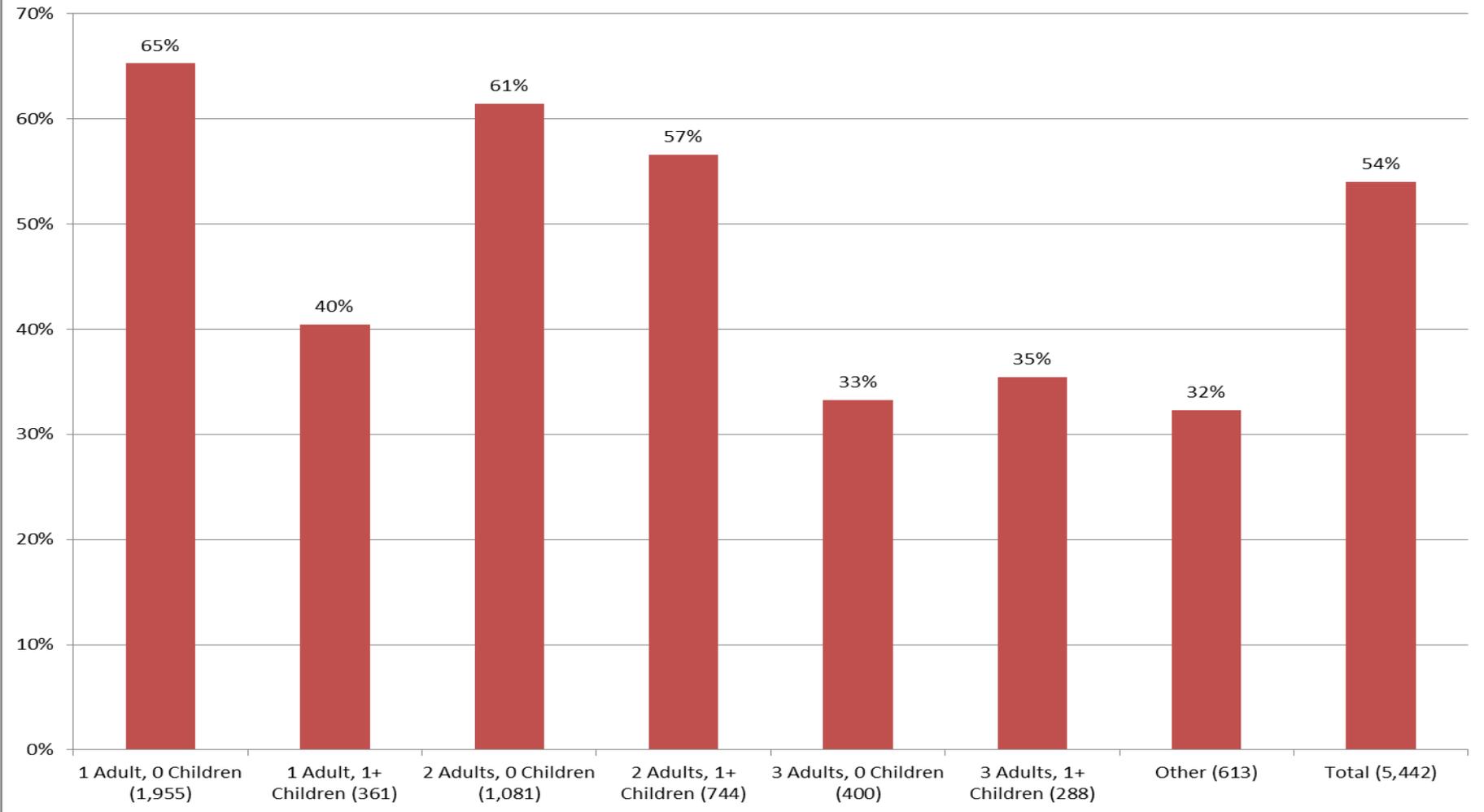
Phase 2 (June 5th)



2014 Administrative Record Occupied

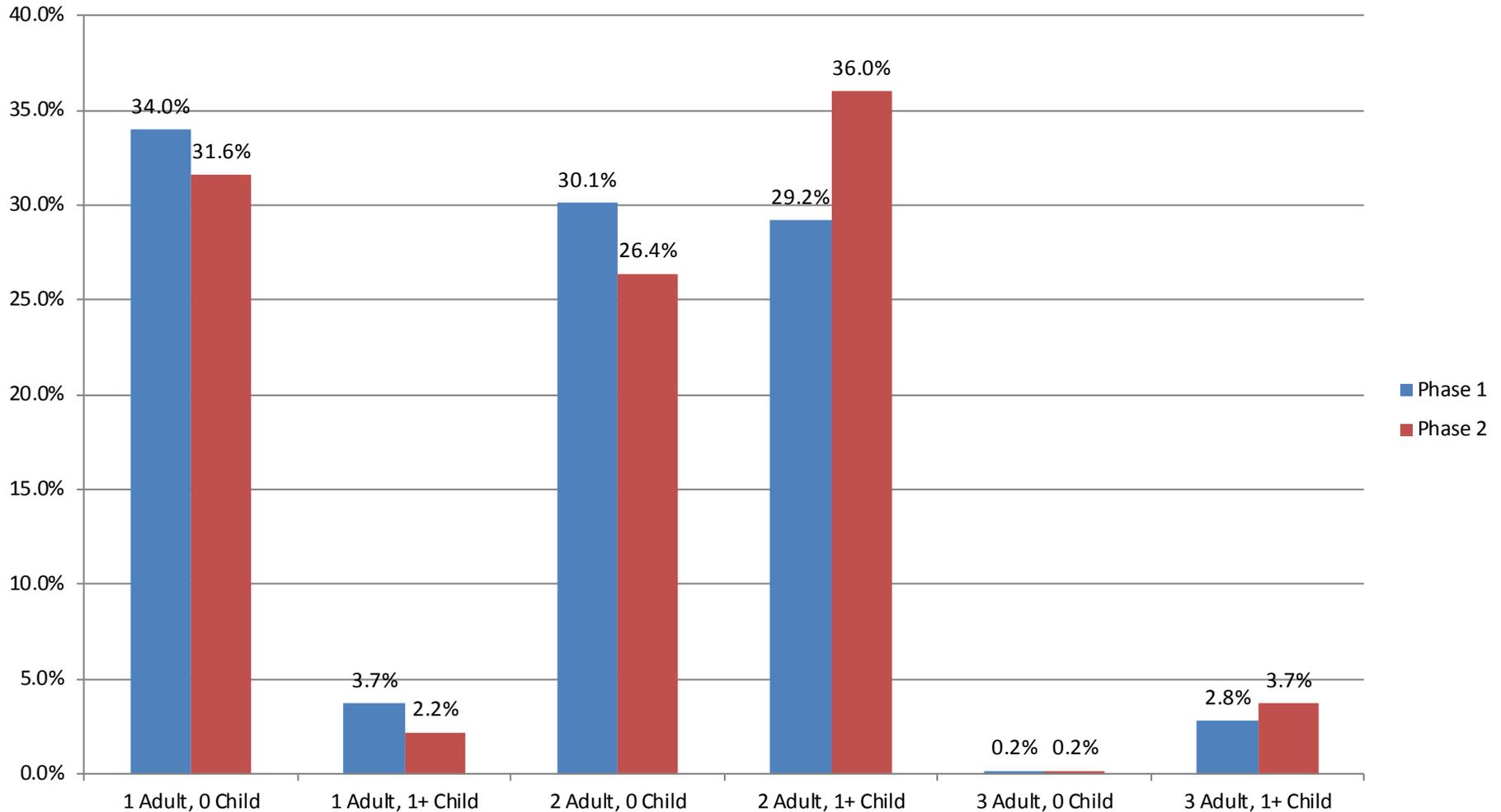
Comparison to Control panel

Count Match by Administrative Record Composition Category



2015 Administrative Records Identification

Percent of Administrative Record Occupied Cases in Each Household Composition Category



Administrative Records Identification

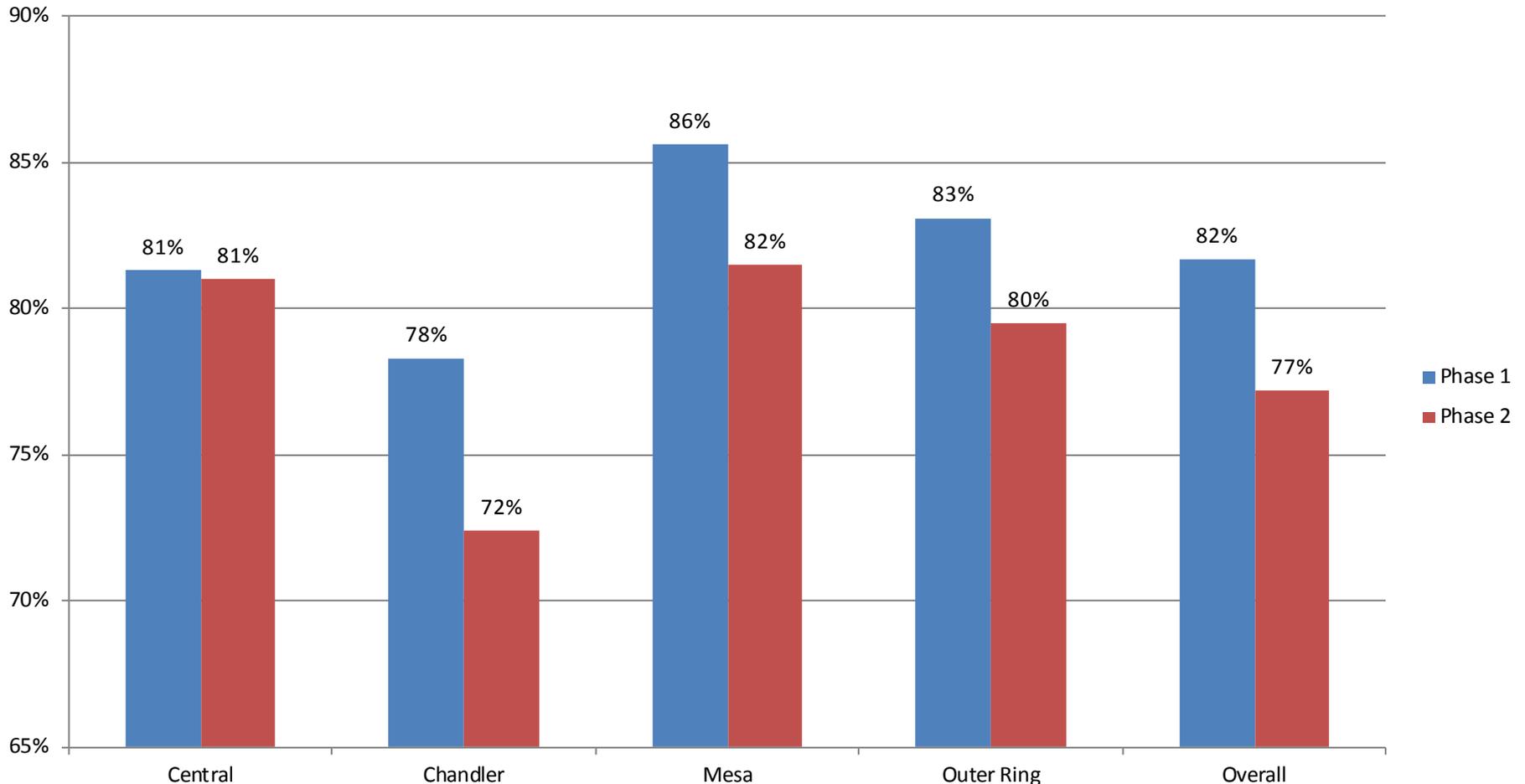
Race and Hispanic Origin

How often was Race and Hispanic origin information available from administrative record sources?

Combined Race and Hispanic origin categories

- Hispanic
- Non-Hispanic White Alone
- Non-Hispanic Black Alone
- Non-Hispanic American Indian and Alaskan Native Alone
- Non-Hispanic Asian Alone
- Non-Hispanic Native Hawaiian Pacific Islander Alone
- Non-Hispanic Some Other Race
- Non-Hispanic Two or More Races

2015 Administrative Records Identification Combined Race and Hispanic Origin Available from Administrative Record Sources



2015 Administrative Records Identification

Phase 1

Combined Race and Hispanic Origin Distribution

Sample Area	Hispanic	Non-Hispanic							Missing
		White Alone	Black Alone	AIAN Alone	Asian Alone	NHPI Alone	Other Alone	Two or More	
Central Maricopa	55.3%	14.4%	8.3%	1.8%	0.8%	0.0%	0.1%	0.7%	18.7%
Chandler	14.1%	51.8%	4.7%	1.1%	5.2%	0.2%	0.1%	1.1%	21.7%
Mesa	18.7%	56.2%	4.5%	3.6%	1.4%	0.1%	0.2%	0.9%	14.4%
Outer Ring	11.0%	66.6%	2.1%	0.5%	1.8%	0.1%	0.3%	0.8%	16.9%
Total	26.0%	44.6%	5.3%	2.0%	2.6%	0.1%	0.1%	0.9%	18.3%

2015 Census Test: Workload Summary

High Level Summary of Nonresponse Followup Cases

	Initial Workload	Completed with ADRECs	Late Returns before 1 st Day of FLD work	Final Workload	% Complete
Control - Total	46,326	NA	752	21,528	99.99%
Experimental - Hybrid	47,270	2,188	2,618	19,425	100.00%
Experimental-Full	67,227	9,394	3,214	19,241	100.00%
Experimental - Total	114,497	11,582	5,832	38,666	100.00%
Total	160,823	11,582	6,584	60,194	99.998%

	Control	Experimental - Hybrid	Experimental-Full	Experimental-Total
Completed -HH Occupied	11,493	6,899	6,580	13,479
Completed -Proxy	4,003	923	1,031	1,954
Completed - Vacant	3,777	1,436	1,867	3,303
Completed - Deletes	1,575	624	1,248	1,872
Non-Interview (No data)	679	245	252	497
Discontinued with ADREC	0	3,120	0	3,120
Discontinued without ADREC	0	4,857	7,100	11,957
Late Returns after NRFU start	0	1,321	1,163	2,484
Total Closed Cases	21,527	19,425	19,241	38,666
Not Checked-in Total	1	0	0	0

2015 Census Test: USPS Support

- Scheduling appointments
- No appointments on April 15, 2015 (tax day)

2015 Census Test: Training

- Automated Training
- Deployment of Training Videos
- Training Specialists

2015 Census Test: COMPASS

- Application Easy to Use
- Crashes and Freezes
- Cases Not Disappearing from Case List
- Coverage Questions

2015 Census Test: Procedures

- Non-standard Situations: Proxies, Noninterviews
- Multi-units

2015 Census Test: Field Reengineering

- Area Operations Support Center
- Alerts
- Entry of availability for work
- Workload optimization
- Routing

2015 Census Test: Bring Your Own Device

- Enumerators use their personally owned mobile devices and wireless service.
- Sample of approximately 4,500 addresses – not included in other test activities
- 80 enumerators participating in the BYOD testing
- Six training sessions conducted
- Initial observations

2015 Census Test: Evaluation Follow-up

- Major Objectives:
 - Obtain the most accurate status of the housing unit on Census Day
 - To identify people associated with an occupied housing unit during the calendar year
- Subsample of Nonresponse Followup cases
- Comparison of control panel cases to Administrative Record processing results
- Identify cases with housing unit status and population differences

2015 Census Test: Next Steps

- Conduct Focus Groups
- Complete data analysis
- Design decisions
- Enhancements for the 2016 Census Test

Questions

- Send questions to the email address below:

2020.census.pmr@census.gov