

Building Quality in Census Operations and Systems: Real Time Analysis of Data (RTAD)

NAS: Panel to Evaluate the Quality of the 2020 Census
Date: 7/20/21

Sarah Konya
Branch Chief, Census Testing and Implementation Branch
Decennial Statistical Studies Division

Shape
your future
START HERE >

United States[®]
Census
2020

Purpose of RTAD

- RTAD was intended to:
 - Get first glimpses at data summaries
 - Monitor issues during data collection for immediate action
 - data quality
 - areas of concern
 - Support operations and management to provide additional metrics in a quick, dynamic manner as needed
- RTAD was not intended to:
 - Use post-processing data for analysis
 - Produce final data summaries
 - Release public metrics

Operations Monitored by RTAD

- Address Canvassing
- Self-response
- Update Leave
- Nonresponse Followup (NRFU)
- Coverage Improvement

Self-Response RTAD Metrics

Response Rates

	Total self-response rate	Internet	Phone	Paper	Change from yesterday	Updated Projections
Total (TEA 1 + 6)						
Mailout areas (TEA 1)						
Internet Choice						
Internet First						
Cohort 1						
Cohort 2						
Cohort 3						
Cohort 4						
English						
Bilingual						
Update leave (TEA 6)						

Self-Response RTAD Metrics

Response Rates by State

State	Actual	2010 Rate (Final)	2020 Rate (start of NRFU)	2010 Rate (start of NRFU)
U.S. Total				
Alabama				
Alaska				
Arizona				
Arkansas				
California				
Colorado				
Connecticut				
Delaware				
District of Columbia				
Florida				
Georgia				
Hawaii				
Idaho				
Illinois				
Indiana				
Iowa				
Kansas				
Kentucky				
Louisiana				
Maine				
Maryland				
Massachusetts				
Michigan				
Minnesota				
Mississippi				
Missouri				

State	Actual	2010 Rate (Final)	2020 Rate (start of NRFU)	2010 Rate (start of NRFU)
Montana				
Nebraska				
Nevada				
New Hampshire				
New Jersey				
New Mexico				
New York				
North Carolina				
North Dakota				
Ohio				
Oklahoma				
Oregon				
Pennsylvania				
Rhode Island				
South Carolina				
South Dakota				
Tennessee				
Texas				
Utah				
Vermont				
Virginia				
Washington				
West Virginia				
Wisconsin				
Wyoming				
Puerto Rico				

Shape
your future
START HERE >

United States[®]
Census
2020

Self-Response RTAD Metrics

Demographic Distribution: Sex

Sex	Mode				Total	Benchmark
	Internet	Paper	Phone	NRFU		
Female						
Male						
Male and Female*						
Missing						
Total	100.0%	100.0 %	100.0 %	100.0 %	100.0%	

* 'Male and Female' response only possible for paper responses

Sex ID Status				
	Internet		Phone	
Sex	ID	Non-ID	ID	Non-ID
Female				
Male				
Missing				
Total				

2015 National Content Test			
	Mode		
Sex	Internet	Paper	Phone
Female			
Male			
Missing/ Invalid			

Self-Response RTAD Metrics

Other Metrics

- Mail delivery status
 - Difference in mail delivery date and expected delivery date
 - Undeliverable as Addressed rates by county
 - Specific addresses or areas
- Internet instrument paradata
 - Break-off rates
 - Device type
- College town response rate analysis
- Response rates for Mobile Questionnaire Assistance by Regional Census Center
- Response rates by Rural/Urban flag

Questions?

END