

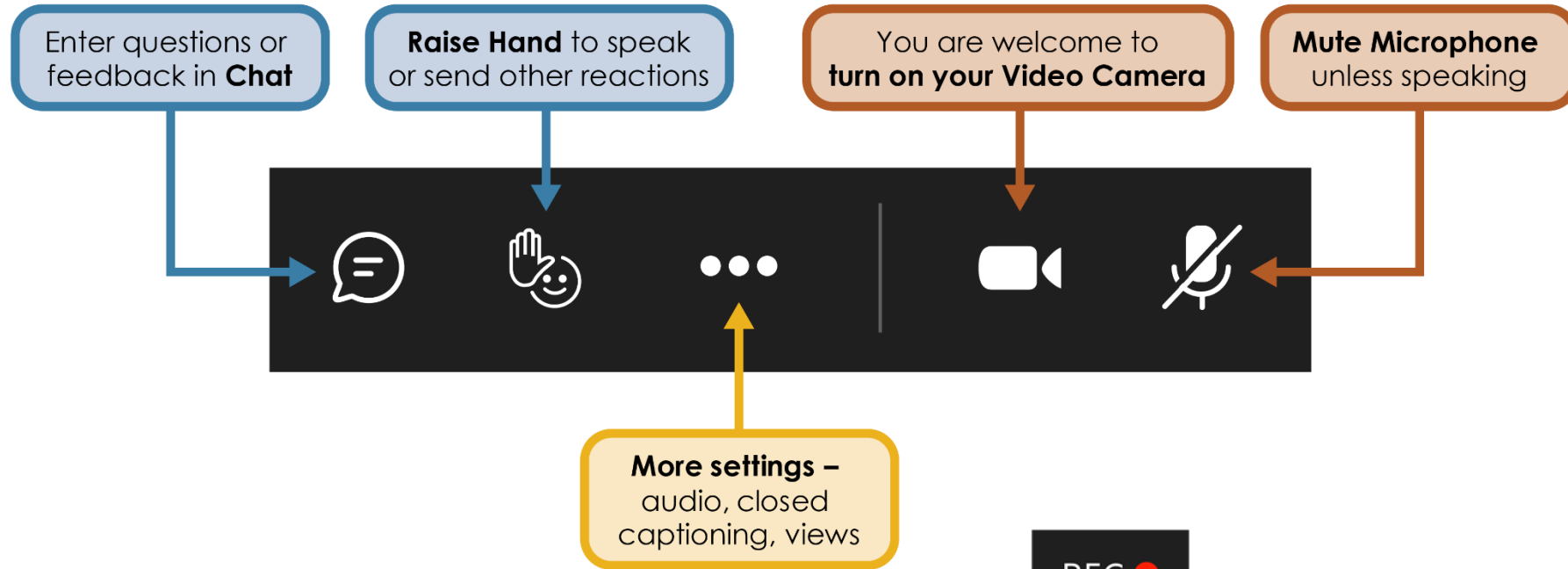
W A S H I N G T O N



WA PRAMS Advisory Committee
February 6, 2025



MS Teams Features We Will Use Today



Tips

- Try to be present
- State your name before speaking
- Speak clearly





Land Acknowledgment

Agenda

- 10:00 – 10:10 **Welcome & Introductions**
- 10:10 – 10:20 National and WA PRAMS updates
- 10:20 – 11:05 AIHC: Pregnancy Resilience and Risk Monitoring Assessment and Action Survey
- 11:05 – 11:10 **Break**
- 11:10 – 11:55 WA PRAMS Sampling Plan Proposal
- 11:55 – Noon **Announcements & Wrap-up**

Welcome & Introductions

- **Welcome** to the Washington Pregnancy Risk Assessment Monitoring System Advisory Committee
- **Introductions**
 - Name
 - Organization and/or Role
- **Connection Question**

Please share something that brings you joy

American Indian Health Commission's Pregnancy Resilience and Risk Monitoring Assessment and Action Survey

PROJECT UPDATE

Presenters: JanMarie Ward & Cindy Gamble

NOTE: Information shared today by our partners at AIHC is for the WA PRAMS Advisory Committee only. Please do not copy or share any images, slides or information.

BREAK



WA PRAMS Sampling Plan

PROPOSAL

Presenters: Teal Bell & Kyle Yomogida

Washington PRAMS Advisory Committee Technical Workgroup

- Workgroup Purpose and Goals
 - Comprised of AC members and data champions with technical expertise
 - Provide input on technical and methodological challenges that arise around the PRAMS survey
 - Recommendations presented to the full PRAMS Advisory Committee
- First topic: Revising the WA PRAMS current sampling frame
 - Allow the sampling of Native Hawaiian Pacific Islanders (NHPI)
 - Better represent birthing people who report multiple races

WA PRAMS Sampling



- Sample ~2,000 WA birthing persons annually
 - 2023 unweighted response rate was 48%
- Stratified random sample of five race and ethnicity sub-groups
 - Hispanic, NH* Asian/Pacific Islander, NH Black, NH Native American/Alaska Native, and NH White
- Data sent to CDC to calculate analytic weights
 - Accounts for sampling, nonresponse adjustment, and omissions from the sampling frame (nonconvergence)

*Non-Hispanic

Stratification vs Analysis

Stratification for Sampling

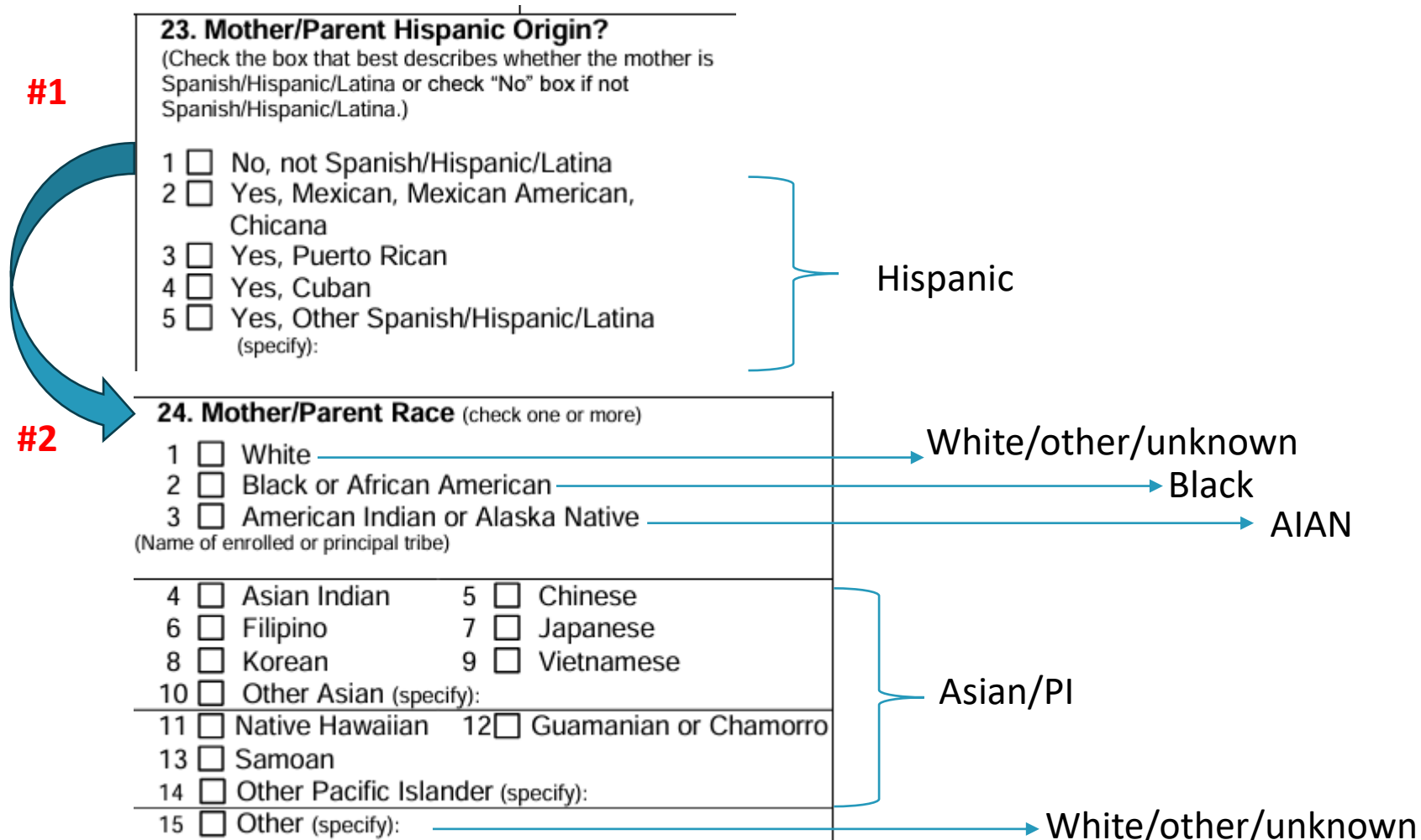
- Opportunity to oversample smaller groups
- Limited number per CDC
- Weighting more accurately represent WA birthing people

Analytic Groups

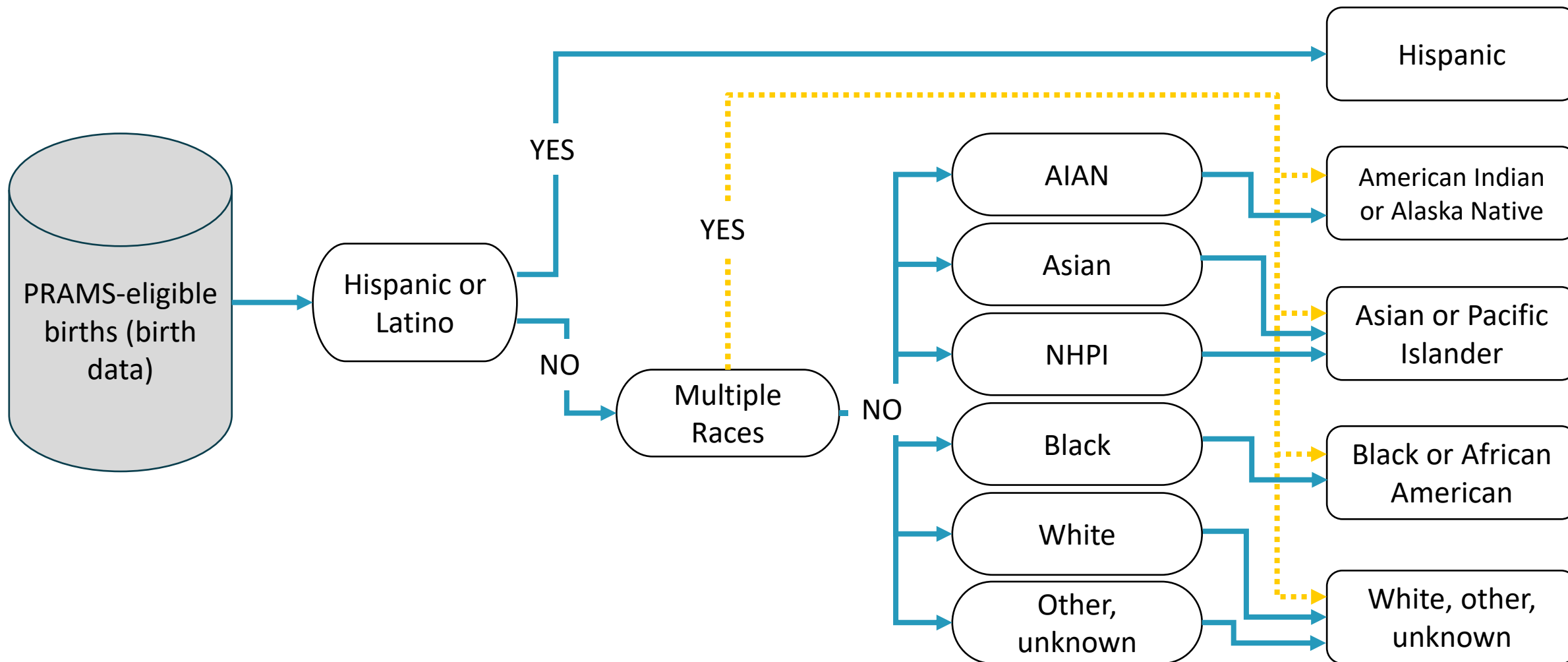
- Can categorize differently, depending on need
 - Keep original group reported on birth certificate
- Need to ensure adequate sample size

Current Issues and Proposed Changes

Current sampling approach



Current sampling approach

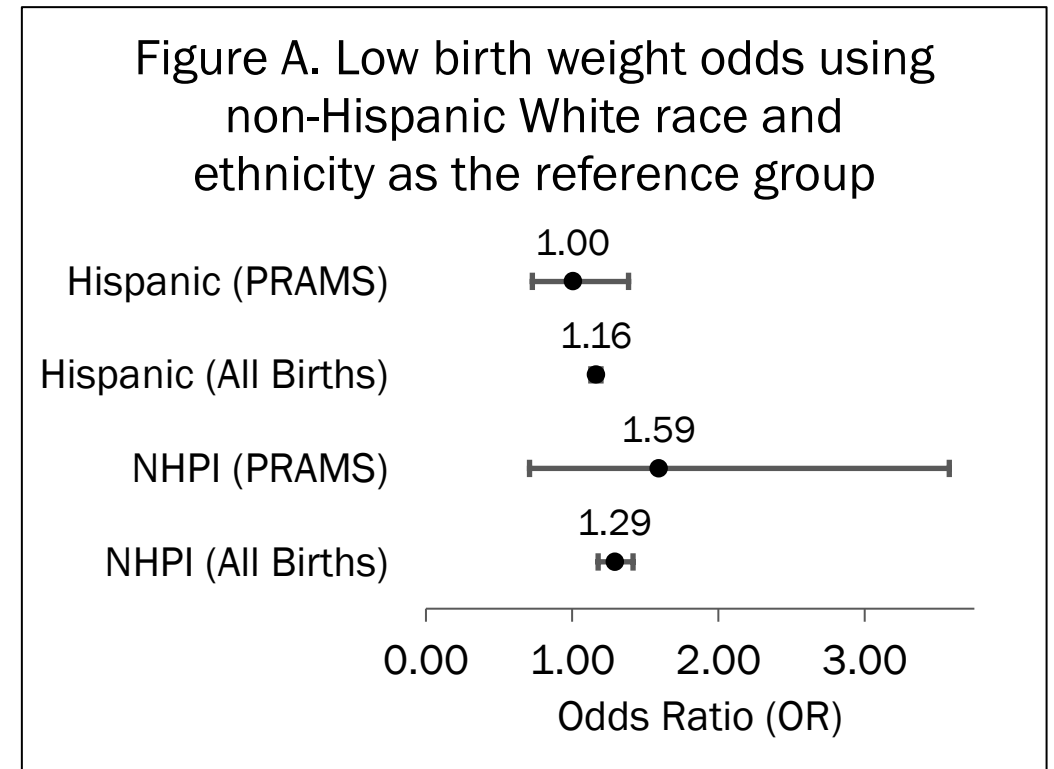


Challenges with current sampling approach

- Current sampling strata combines many distinct populations
 - 1. Hispanic or Latina**
 2. American Indian or Alaska Native
 - 3. Asian and Native Hawaiian or Pacific Islander (NHPI)**
 4. Black
 5. White, other, unknown
- Random assignment or proportion-based assignment of strata for multiracial individuals (AIAN/White, Black/White)

Effect of current sampling approach on analyses

- Native Hawaiian or Pacific Islander (NHPI) sample too small to analyze
 - N = 87 (2016-2021)
- We miss some significant associations between race and ethnicity (R&E) populations and health outcomes (Figure A)



Not feasible to add a 6th strata for NHPI

- CDC PRAMS limits the number of strata allowed
- Adding a strata would increase the overall sample needed
- More work for staff
- Cannot add more staff
- Response rates

Simulate different stratified sampling designs for PRAMS

What sampling approach improves racial and ethnic representation?

Goal: balancing feasibility and objectives

1. Increase NHPI sample size by separating *Asian and Pacific Islander* stratum
2. Do not increase the overall sample needed by too much
 - *Increasing the overall sample may exacerbate workload for staff and drive down overall response rate*
3. Do not significantly decrease Hispanic or Latina representation in sample with any proposed alternatives
4. Minimum response rate 50% to be included in National PRAMS dataset

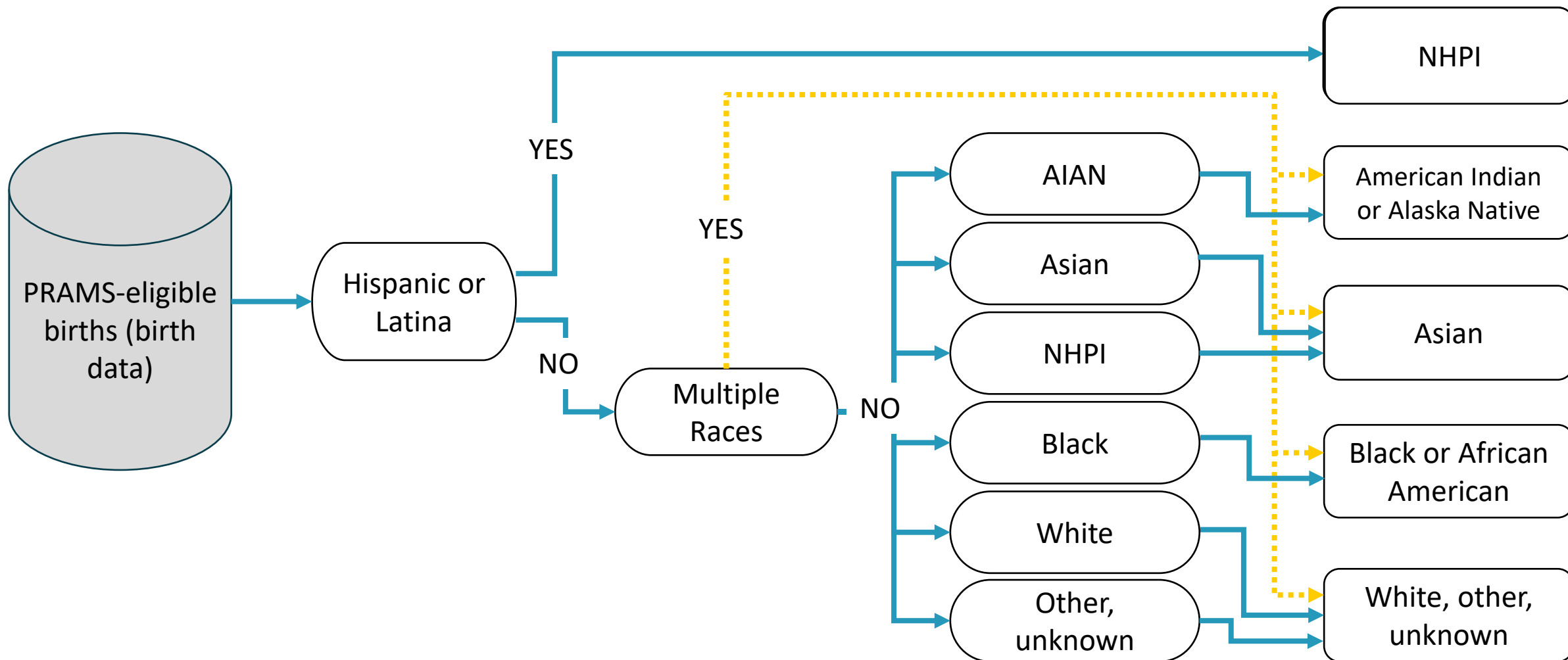
Outcomes measured in simulations

- Race alone or in combination (AOIC)
- Exclusive R&E categorization
- Hispanic or Latina sample size
- Response rates
- Expected annual sampling totals

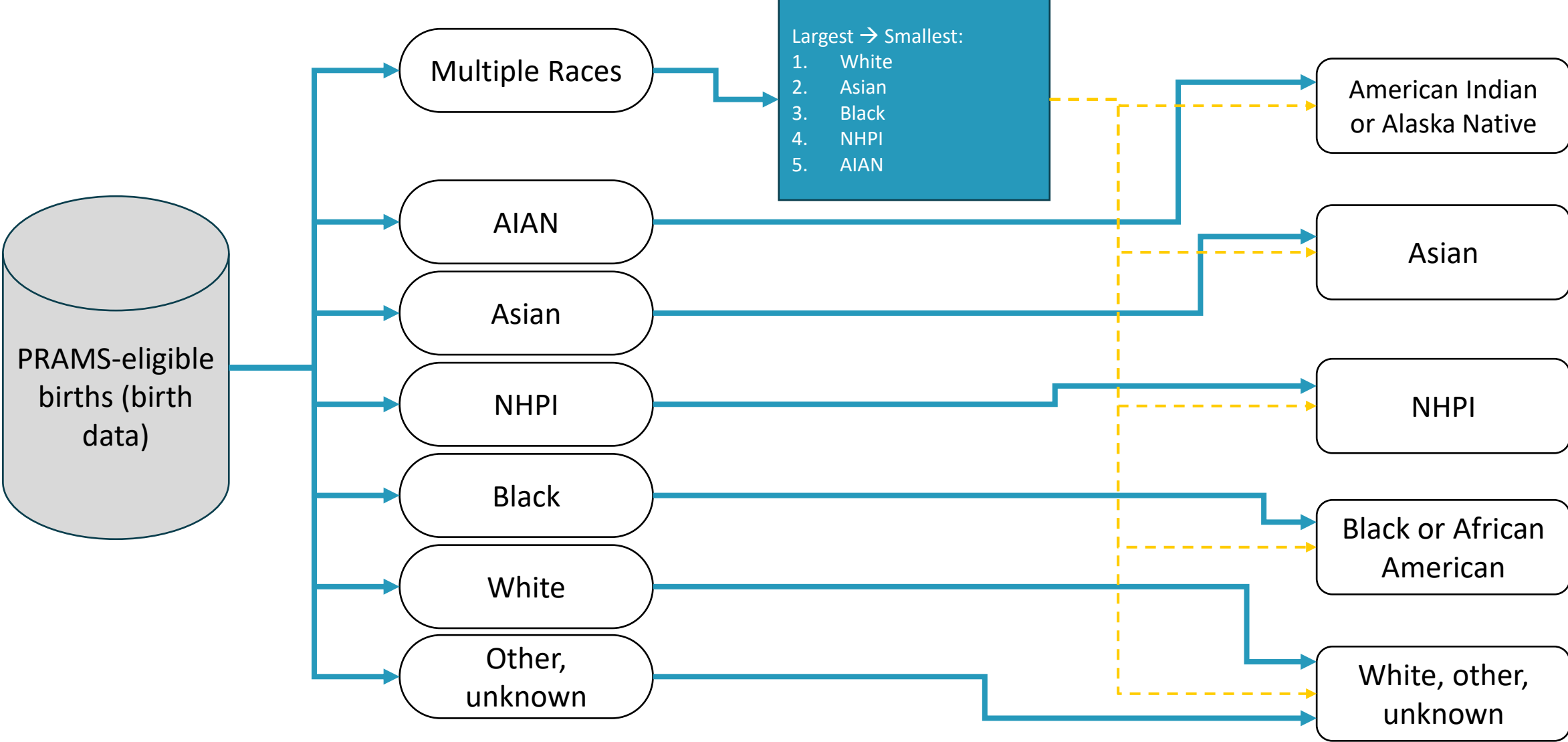
Potential solution: Sample on race alone

- New PRAMS sampling strata:
 1. American Indian or Alaska Native
 2. Asian
 3. Black
 4. Native Hawaiian or Pacific Islander
 5. White, other, unknown
- Separates the AAPI strata currently used
- If we do not sample on Hispanic ethnicity, we are able to sample Hispanic individuals across all races

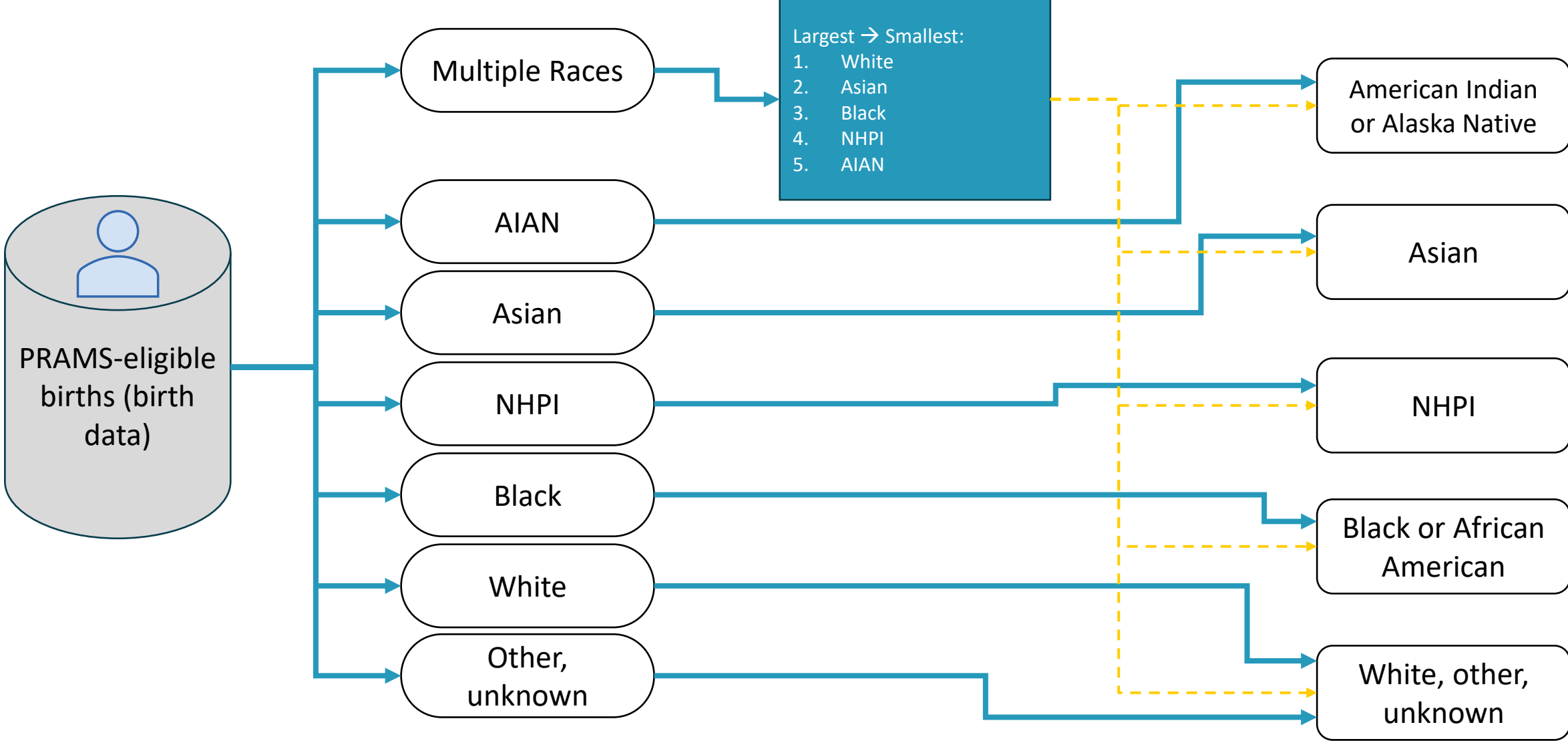
Current sampling approach



Proposed Sampling Design: Race alone



Proposed Sampling Design: Race alone



Best approach: Scenario 6.1

Scenario 6.1 Description

- Race only sampling strata
- Multiracial strata assignment ordered largest populations first:
 1. White, other, unknown
 2. Asian
 3. Black
 4. NHPI
 5. AIAN
- Drop *White, other, unknown* response goals from 400 to 300 (annually)

Scenario 6.1 Results

Est. Annual Sample

2405 (+100)

Table 1: Expected sample needed given strata response rates

Strata	Desired Annual Responses by Strata	Exp. Strata Response Rate	Exp. Annual Sample Needed
Asian	200	0.54	370
AIAN	200	0.42	476
Black	200	0.42	476
NHPI	200	0.38	526
White, other, unknown	300	0.54	556
Total	1100	46%	2405

Scenario 6.1: Expected responses by race and ethnicity responses, annual

	Hispanic	Non-Hispanic	Unknown	Sum
White	40.1	236.6	0.8	277.5
Black	11.8	205.6	5.7	223.1
AIAN	82.2	166.7	3.1	252.0
Asian	3.7	213.3	1.6	218.5
NHPI	7.0	190.6	0.0	197.6
Multiple Races	1.7	24.7	0.1	
Unknown/Other	28.0	5.3	0.9	34.2
Sum	174.5	1042.7	12.3	1229.5

Scenario 6.1 Results

Est. Response Rate*
51.05%

Table 1: Race alone or in combination, expected annual **sample** estimate

Race AOIC	Annual Sample
AIAN	498
Asian	378
Black	494
NHPI	539
White	477

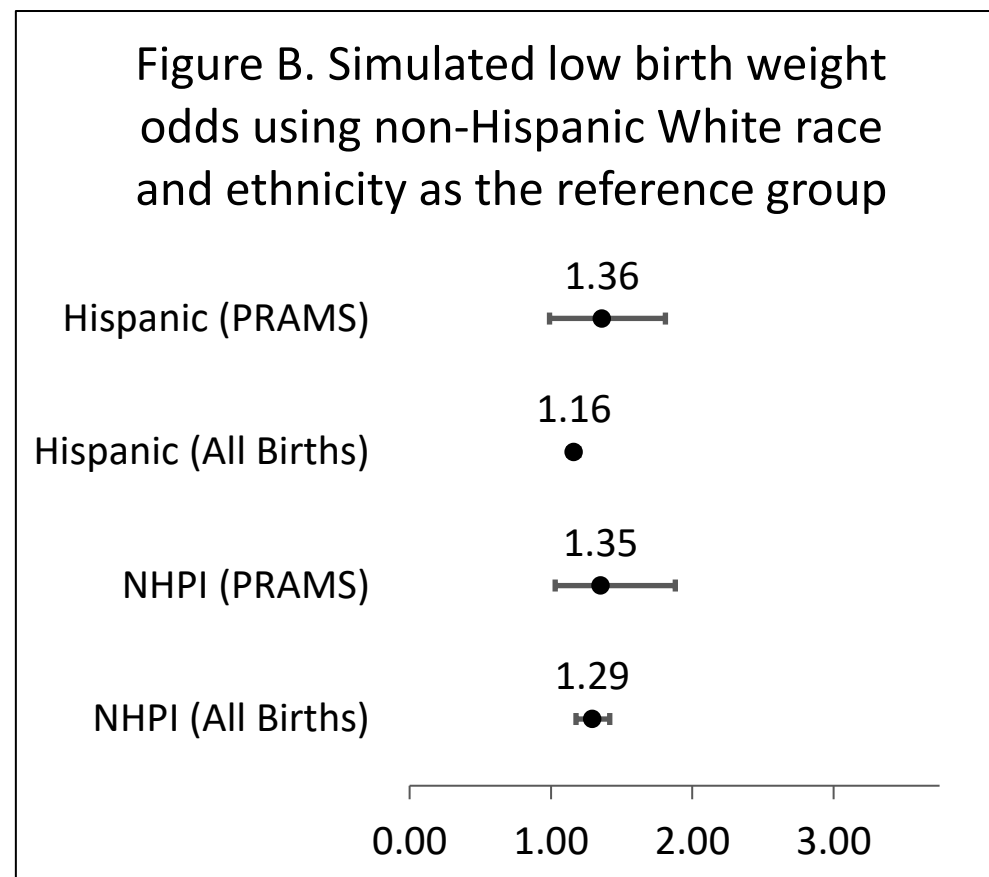
Table 2: Seven exclusive R&E categories, expected annual **responses**

Race and Ethnicity	Annual Responses
Hispanic	147
NH AIAN	159
NH Asian	189
NH Black	184
NH NHPI	167
NH White	208
NH Multiracial	20

*Overall estimated response rate calculated based on 2023 data. Small numbers for NHPI give less certainty to response rate for NHPI as a strata. Historic Hispanic or Latino response rates (~54%) will change *AIAN* and *White, other, unknown* strata response rates with proposed changes.

Scenario 6.1 Results

- Improved NHPI sample; smaller 95% confidence interval
- Hispanic/Latina accuracy similar to current practices
- Better accuracy overall



Scenario 6.1 Summary

PROS

- ↑ Improves NHPI sample size
- ↑ Better representation of Hispanic ethnicity across all race categories, especially AIAN
- ↑ May be possible to disaggregate Hispanic ethnicity for multiyear analysis

CONS

- ↓ Requires larger annual sample size to offset lower NHPI response rates
- ↓ Smaller Hispanic sample size (estimated +/-160 respondents)
- ↓ Overall response rate is less predictable, may be lower
- ↓ Less likely to sample multiracial individuals

Questions



Discussion

VOTE: Do you support the updated Sampling Plan for implementation in 2025?

Join at menti.com | use code 2505 8205

Do you support the updated Sampling Plan for implementation in 2025?



Announcements

- **Advisory Committee Meetings**

- *Virtual for 2025*
- *Frequency – 2x (Feb / Oct)*
- *Topics – PRAMS for Dads; P9 highlights; other?*

CHAT: *Please post in chat suggested topics and/or offers to present your PRAMS-related work for future meetings*



WA PRAMS Team

Principal Investigator	Martha Skiles
Survey Operations	Kevin Beck Silbia Moreno Karen Kirk Julie Latham
Epidemiologist	Teal Bell
Support	Natasha Hansen

Contact: martha.skiles@doh.wa.gov
WAPRAMS@doh.wa.gov



To request this document in another format, call 1-800-525-0127. Deaf or hard of hearing customers, please call 711 (Washington Relay) or email doh.information@doh.wa.gov.