Heidi Guyer, MPH
Survey Research Center, University of Michigan

- 16 years experience collecting physical measures & biomarkers on U.S. and international field studies.

- **Current experience:** Health and Retirement Study

- **Measures collected:**
  - Anthropometric (height, weight, waist)
  - Grip strength, Lung strength
  - Walking speed, Balance tests
  - Blood pressure
  - Blood spots
  - Saliva

- **Response rates:**
  - Physical Measures
  - Blood spots
  - Saliva:
Nancy Gebler, MA, PMP
Survey Research Center, University of Michigan

- 10+ years experience collecting physical measures & biomarkers on adults and youth
- **Recent studies:** Moving To Opportunity, African American Health in St. Louis, National Comorbidity Study
- **Measures collected:**
  - Anthropometric (height, weight, waist)
  - Grip strength, Lung strength
  - Walking speed, Balance tests
  - Blood pressure
  - Blood spots
  - Saliva
  - Coordinating with phlebotomists, physical therapists, labs for additional tests after completion of survey instrument
Moving To Opportunity (MTO)

- Adult height, weight, waist: Avg 2.92 measures completed
- Youth height, weight: Avg 1.97 completed
- Adult blood pressure: 98.5% eligibility
  - 95.3% cooperation rate
- Adult dried blood spot: 96.4% eligibility
  - 91.6% cooperation rate
  - 86.5% storage consent rate
Kerryann DiLoreto, Project Director
- 10 years of experience in survey research
- 5 years collecting biomarkers and physical measures

Current experience: Wisconsin Longitudinal Study

Measures collected:
- Saliva (using Oragene 250 kit for respondent self-collection and mail back)

Response rates:
- 54% (out of 8,131 respondents)
- 66% for respondents who participated in the 2004 phone and mail surveys

Measures planned for 2010 CAPI effort:
- Anthropometric (height, weight, waist); Grip strength; Lung strength;
- Walking speed; Chair raises;
- Saliva
- Blood spots (under consideration pending funding)
Katie Lundeen
NORC at the University of Chicago

• **Experience:** National Social Life, Health and Aging Project (NSHAP)

• **Measures collected in wave 1:**
  – Anthropometrics (height, weight, waist)
  – Blood pressure
  – Functional measure (Get Up and Go)
  – Sensory measures (touch, smell, distance vision, taste)
  – Laboratory measures (dried blood spots, saliva, self-administered vaginal swabs, and OMT for HIV test)

• **New measures for upcoming wave 2 pretest:**
  – Anthropometric (hip)
  – Functional measures (SPPB, actigraphy)
  – Sensory measure (hearing)
  – Laboratory measures (blood microtainer tube, salivettes, DNA, and urine)
Wave I Cooperation Rates

<table>
<thead>
<tr>
<th>Measure</th>
<th>Cooperation Rate(^a) (%)</th>
<th>Eligible Respondents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>98.6</td>
<td>2,977</td>
</tr>
<tr>
<td>Touch</td>
<td>98.4</td>
<td>1,505</td>
</tr>
<tr>
<td>Weight</td>
<td>98.4</td>
<td>2,977</td>
</tr>
<tr>
<td>Blood pressure</td>
<td>98.4</td>
<td>3,004</td>
</tr>
<tr>
<td>Smell</td>
<td>98.3</td>
<td>3,004</td>
</tr>
<tr>
<td>Waist</td>
<td>97.2</td>
<td>3,004</td>
</tr>
<tr>
<td>Distance vision</td>
<td>96.0</td>
<td>1,505</td>
</tr>
<tr>
<td>Taste</td>
<td>95.9</td>
<td>3,004</td>
</tr>
<tr>
<td>Get-up-and-go</td>
<td>93.6</td>
<td>1,485</td>
</tr>
<tr>
<td>Saliva</td>
<td>90.8</td>
<td>3,004</td>
</tr>
<tr>
<td>OMT</td>
<td>89.2</td>
<td>972</td>
</tr>
<tr>
<td>Blood spots</td>
<td>85.0</td>
<td>2,494</td>
</tr>
<tr>
<td>Self-administered vaginal swabs</td>
<td>67.5</td>
<td>1,550</td>
</tr>
</tbody>
</table>

\(^a\) Person-level weights are adjusted for nonresponse by age and urbanicity

Frank Mierzwa
Survey Research Division, RTI International

- 16 years experience collecting physical measures & biomarkers on field studies.

- **Current experience:** Los Angeles Family and Neighborhood Survey (L.A. FANS-2)

- **Measures collected:**
  - Anthropometric (height, weight, waist, hip)
  - Blood pressure
  - Dried blood spots and venipuncture
  - Lung strength
  - Saliva
  - Urine
- National Longitudinal Study of Adolescent Health (Add Health)
  - Developmental and health trajectories from adolescence through adulthood
  - Nearly 20,000 sample members ages 24-32
  - Wave IV

- Measures collected:
  - Anthropometric (height, weight, waist)
  - Blood Spots
  - Saliva
Panel Questions: Blood Collection

- How are you collecting blood?
- What are you analyzing?
- Are you storing blood?
- What are the biggest challenges?
- What future innovations are you planning?
Panel Questions: Saliva Collection

- How are you collecting saliva?
- What are you analyzing?
- Are you storing saliva?
- What are the biggest challenges?
- What future innovations are you planning?
Panel Questions: Interviewer Training

- How do you train interviewers to collect these measures?
- How do you certify interviewers to collect these measures?
Panel Questions: Biomarker Collectors

- What should be taken into account when deciding whether to have respondents, interviewers, phlebotomists or nurses collect these measures?
- Are there differences in response rates or in the actual results due to who collects the biomarkers?
Panel Questions: Response Rates

- What response rates should you expect on these measures?
- Are there subgroups that are higher or lower?
- What can be done to improve biomarker response rates?
Panel Questions: Consent

- How do you obtain consent for the measures?
- What are the biomarker consent rates?
- Are there subgroups that are higher or lower?
- What is the best way to obtain consent?
Panel Questions: Incentives

- Do you provide an incentive for completing these measures?
- If so, how much or what incentives do you provide?
- What seems to work best?
- Does the timing of the incentive matter?
Panel Questions: Mode Effects

- How successful are telephone, web or mail surveys in collecting these measures?
Panel Questions: Quality Control

- What quality control measures should be implemented?
- What do you monitor & how often?
Additional Questions?
Thank You!

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