Conceptual framework of recruitment determinants

### Sampling frame
- Geographical national dispersion of ethnic groups
- Concentration of ethnic subgroups in urban areas
- Accuracy of classification of ethnicity
- Adequacy of contact information

### Individual/family/community factors
- Education, literacy and language
- Attitudes about and interest in research
- Experiences with health care and research
- Perceived burden of participation
- Health status
- Household mail and telephone practices
- Economic situation
- Age, marital status
- Neighborhood safety
- Transportation/childcare options
- Physician support for study
- Gatekeeper support for study

### Study characteristics
- Topic
- Protocol
- Location and convenience
- Evidence of benefits
- Institutional and community affiliations
- Compensation
- Cultural and linguistic appropriateness

### Recruitment and retention methods
- Cultural and language appropriateness
- Extent of health care provider and community involvement
- Intensity, duration, scheduling and costs
- Flexibility
- Informed consent process

### Personnel characteristics
- Cultural and linguistic competence
- Training and experience
- Interpersonal style
- Familiarity with ethnic communities

### Stages of participation

1. **Identification of sampling frame**
   - Not available

2. **Invitation to participate**
   - (Initial contact letter, flier, advertisement or response card)
   - Available
   - Not delivered

3. **Establishing contact with individual**
   - Delivered
   - Not contacted

4. **Establishing eligibility**
   - Contacted
   - Eligible
   - Ineligible

5. **Initial study response**
   - Eligible
   - Does not respond
   - Responds

6. **Study completion**
   - Does not complete

### Types of loss

- Insufficient availability of diverse groups
- Misclassification of ethnicity
- Incorrect contact information
- Wrong contact information
- Inappropriate language or approach
- No response
- Unable to locate
- No response
- Inappropriate language or approach
- Poor health
- Deceased
- Ineligible based on age, gender, ethnicity, clinical or other criteria
- Refusal
- Poor health
- Deceased
- Not available
- Refusal
- Poor health
- Deceased
- Not available
- No show
- Unable to recontact

Center for Aging in Diverse Communities, Measurement Core University of California, San Francisco. Last Updated March 2006

http://medicine.ucsf.edu/cadc/cores/measurement/methods.html