

The Hispanic Community Health Study/ Study of Latinos

Roundtable 2: Measurements and Biobank

Larissa Avilés-Santa, MD, MPH, FACP, FACE
Physician

Division of Cardiovascular Sciences
National Heart, Lung, and Blood Institute
For the HCHS/SOL Investigators



COPLAS

I Scientific Workshop of Latin American Population Cohorts

Quinamávida Hotsprings Linares, Chile

April 5, 2018



Primary Goals

Estudio de la Salud de la Comunidad Hispana
ESTUDIO DE LOS LATINOS

Hispanic Community Health Study
STUDY OF LATINOS

¡Ayúdenos a entender la salud de nuestra gente!

Si tiene de 18 a 74 años de edad y es hispano/latino, usted puede ser parte de este histórico estudio.



SOL
STUDY OF LATINOS

Help us understand the health of our community!

If you are Hispanic/Latino between 18-74 years old, you can be part of this historical study.

- To identify the **prevalence of cardiovascular and pulmonary disease and other conditions** in U.S. Hispanic/Latino groups of **diverse backgrounds**
- To identify the **prevalence of factors that protect from or increase the risk for** cardiovascular and pulmonary disease and other conditions in ***diverse*** U.S. Hispanic/Latino groups
- To identify **all-cause mortality**, and the **incidence of fatal and non-fatal cardiovascular and pulmonary events** in ***diverse*** U.S. Hispanic/Latino groups

Baseline (V1) Measurements (2008-2011)

■ Interviews

- Personal Information
- Personal and Family Medical History
- Socioeconomic
- Employment and occupational exposures
- Sleep
- Physical activity
- Acculturation
- Religion
- Hearing and exposures
- Respiratory symptoms
- Cognitive tests
- 24-hr dietary recall
- Food propensity questionnaire

■ Procedures

- FPG, glucose tolerance test, HbA1c, lipid profile
- Complete blood count and hemogram
- Liver function tests (ALT, AST, GGT)
- Ferritin, TIBC
- C-reactive protein
- Serum creatinine
- Urine albumin:creatinine ratio
- DNA/RNA extraction
- Anthropometric measurements
- ECG
- Blood pressure (4 extremities)
- Spirometry (pre- and post-bronchodilator)
- Home sleep study
- Accelerometer



Hispanic Community Health Study



National Heart, Lung,
and Blood Institute

Baseline (V2) Measurements (2014-2017)

■ Interviews

- Personal Information
- Personal and Family Medical History
- Socioeconomic
- Employment and occupational exposures
- Acculturation
- Sociocultural factors
- Comprehensive reproductive history (women)
- Expanded assessment on access to and utilization of healthcare services

■ Procedures

- FPG, glucose tolerance test, HbA1c, lipid profile
- Complete blood count and hemogram
- Liver function tests (ALT, AST, GGT)
- Ferritin, TIBC
- C-reactive protein
- Serum creatinine
- Urine albumin:creatinine ratio
- Anthropometric measurements
- Blood pressure (4 extremities)
- Echocardiogram (45 y+)



Hispanic Community Health Study



National Heart, Lung,
and Blood Institute

Omics in Latinos (OLa)

- GWAS - Illumina
- Genetic analyses – University of Washington
- Gene sequencing – TOPMed and other initiatives



SCHOOL OF PUBLIC HEALTH
UNIVERSITY *of* WASHINGTON



Ongoing renewal

- Request for proposals issued in December 2017
- Applications received
- Review pending
- Projected new phase: December 2018 – November 2024




Hispanic Community Health Study



National Heart, Lung,
and Blood Institute

Hispanic Community Health Study / Study of Latinos

Accessibility issues or difficulties with this website?
Call 919-962-2073 or email hchsadministration@unc.edu.



Recently Published HCHS/SOL Research Findings
improving knowledge and impacting health

- The association of cardiorespiratory fitness with cardiometabolic factors, markers of inflammation, and endothelial dysfunction in Latino youth: findings from the Hispanic Community Children's Health Study/Study of Latino Youth. -- Ann Epidemiol**
- Frequency of Intake and Type of Away-from- Home Foods Consumed Are Associated with Diet Quality in the Hispanic Community Health Study/Study of Latinos -- J Nutr**
- Ankle brachial index and cognitive function among Hispanics/Latinos: Results from the Hispanic Community Health Study/Study of Latinos. -- Atherosclerosis**

User login

Username *

Password *

Log in

Create new account

Request new password

www.cscs.unc.edu/hchs



Hispanic Community Health Study / Study of Latinos

- About the Study
- Collaborating with HCHS/SOL
- Publications
- Directory (public)
- Links

User login

Username *

Password *

Log in

Create new account

Request new password

Manuals

Navigating this page:

This page contains information geared towards the scientific community, investigators, and potential investigators. The tables list study protocols/manuals and data collection forms.

The "Manual" section is broken into Visit 1 and Visit 2, the documents can be accessed by selecting the PDF under the respective column.

For the "Forms" table, clicking on each title will link you to forms such as, QxQ questionnaires, Visit1/Visit2 forms, and forms that are available in both Spanish and English. You can also access on the acronyms or "PDF" in the adjacent columns. The forms are further organized by type E.G. Administrative, Data Collection, or Annual Follow-up. You can filter these for these by selecting from the tabs directly below the "Forms" header.

For both sections, all documents can be accessed by clicking the title, or selecting the icon located under the "Visit -"column's (PDF or DOC etc.).

Manual #	Title	Visit 1	Visit 2
01	Study Protocol, General Description and Study Management	PDF	PDF
02	Field Center Procedures	PDF	PDF, PDF
03	Retention and Follow-Up	PDF	PDF, PDF
04	Pulmonary Function	PDF	
05	Electrocardiography Assessment	PDF	
06	Class Meetings	PDF	

www.csc.unc.edu/hchs



Albert Einstein College of Medicine
OF YESHIVA UNIVERSITY



BRIGHAM AND
WOMEN'S HOSPITAL



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM



SCHOOL OF PUBLIC HEALTH

UNIVERSITY of WASHINGTON



UNC
SCHOOL OF
PUBLIC HEALTH

University of North Carolina at Chapel Hill
Department of Biostatistics
Collaborative Studies Coordinating Center

UIC COLLEGE OF
UNIVERSITY OF ILLINOIS MEDICINE
AT CHICAGO



MILLER
SCHOOL OF MEDICINE
UNIVERSITY OF MIAMI



SAN DIEGO STATE
UNIVERSITY



NIH National Heart, Lung,
and Blood Institute



Home

Open Studies

- Study Datasets and Biospecimens
- Publications
- Teaching Datasets - Public Use Datasets
- Renew Existing Data Use Agreement

Non-BioLINCC Resources

Funding Opportunities

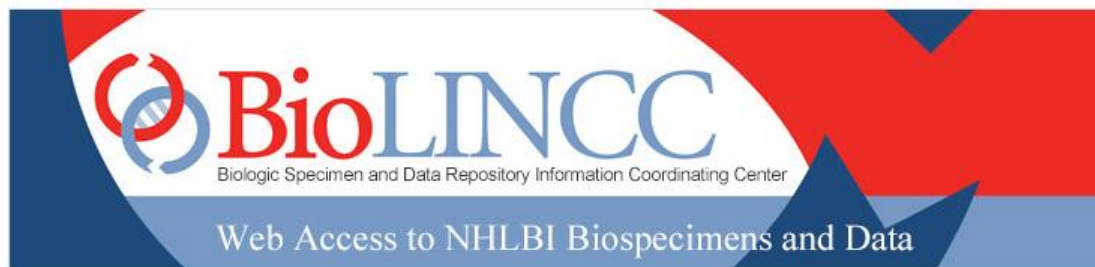
Submitting New Collections

- Register a Biospecimen Collection
- Preparing and Submitting Data Repository Datasets

About BioLINCC

- BioLINCC Handbook
- Forms and Templates
- FAQs
- Glossary

Proprietary Studies



- Learn about the program: [The BioLINCC Handbook](#)
- [Request](#) data and/or biospecimens from Open Collections
- [Register](#) a new biospecimen collection
- [Explore publications](#) associated with BioLINCC resources
- Review the [BioLINCC methods paper](#) to learn more about program background and developments

Search for Study Datasets and/or Biospecimens

From here you can search study description pages for studies that meet your criteria and request more information on available data and/or biospecimens. Enter keyword(s) into the "Search For" field below and check the boxes to indicate if you are interested in studies with available datasets, biospecimens, or with both. Leaving the checkboxes blank will return studies with either material type:

Search For: [?](#) [Search Studies](#)

Common Properties Material Types Conditions Study Type Period

Filter

☐ Select All

Recent News

Contemporary Use of Historical Specimens obtained through BioLINCC
2015-09-24

NHLBI funded researcher Dr. Amit Kapoor r...

BioLINCC Methods Paper Published
2015-08-25

The baseline BioLINCC methods paper, "Prov...

Data Update for HCHS-SOL
2015-07-22

Data have been updated for the Hispanic Co...

Data Update for ARDSNet01/03
2015-07-21

Data have been updated for the Acute Respi...

Data Update for ARIC Study
2015-07-21

Data have been updated for the Atheroscler...

Larissa Avilés-Santa, MD, MPH
301.435.0450
avilessantal@nhlbi.nih.gov



www.csccl.unc.edu/hchs