

### How to Obtain Add Health Phenotype Data and/or dbGaP Linkage File

02/11/2019

### Overview: How to Obtain Add Health Phenotype Data and/or dbGaP Linkage File

- A limited set of Add Health phenotype data are available on dbGaP:
  - E.g., Age, sex, body mass index, and height
- Obtaining additional Add Health phenotype data *requires a contract*
- 1. For users with an existing Add Health contract:
  - A dbGaP linkage file is required to match the dbGaP participant ID with the Add Health AID.
  - Obtaining the dbGaP linkage file requires a new data request (see slides 4-16)
- 2. For users of Add Health public use data:
  - Use of Add Health genomic data requires an Add Health contract (see slides 18-29)
- 3. For individuals without an existing Add Health contract:
  - See slides 18-29 for instructions

For Add Health users <u>with an</u> <u>existing contract</u>, how to obtain the dbGaP linkage file Slides 4-16

### Overview: How to Access Add Health Phenotype Data With an Existing Contract

- To link the genomic data to the Add Health phenotype data you will need to request the dbGaP Linkage File through the CPC Data Portal: <u>https://data.cpc.unc.edu/</u>.
- Please note that your dbGaP and/or Add Health security plans may need to be revised to meet the security requirements for the combined phenotype - genotype files.
- There is a \$100 administrative fee for staff time to process this request.

# CPC Data Portal: Gateway for Accessing dbGaP Linkage File

- Go to CPC Data Portal: <u>https://data.cpc.unc.edu/</u> (see instructions on next slide)
- On the upper right corner Click "Login"
  - Add Health users with a contract, but no CPC Data Portal account: please contact <u>addhealth contracts@email.unc.edu</u> for instructions

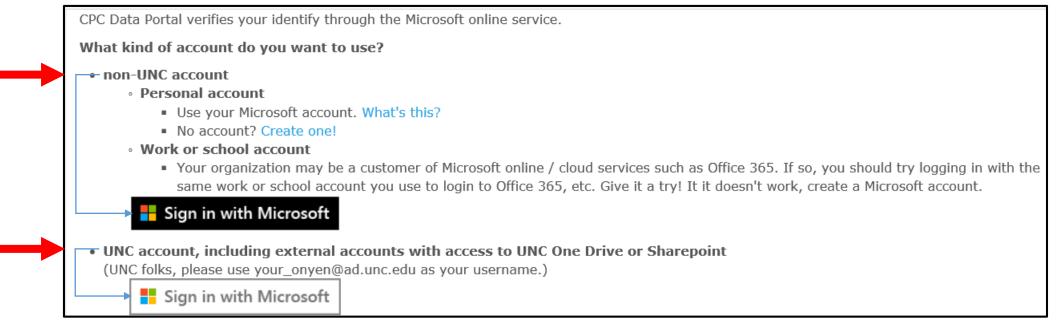
UNC CAROLINA PO	PULATION CENTER	Data Portal Home Cart L	Login	FAQ
		Welcome to the CPC Data Portal		
		Your gateway to data collected by the Carolina Population Center and available to the research community		
	Project 🕸	Description	IJ	
Add Health	Add Health	The National Longitudinal Study of Adolescent to Adult Health (Add Health) is a longitudinal study of a nationally representative sample of adolescents in grades 7-12 in the United States during the 1994-95 school year.	1	
Cebu Lengitudinal Hoalth and Hutritian Survey	Cebu Longitudinal Health and Nutrition Survey	The Cebu Longitudinal Health and Nutrition Survey is part of an ongoing study of a cohort of Filipino women who gave birth between 1983 and 1984 in Cebu Province in The Philippines.	n	
CHNS Claux Health and Wederlow Growing	China Health and Nutrition Survey	The China Health and Nutrition Survey is an ongoing international collaborative project that was designed to examine the effects of the health, nutrition, and family planning policies.		
MEASURE Evaluation	MEASURE Evaluation	The MEASURE Evaluation project focuses on strengthening capacity in developing countries to gather, interpret, and use data to improve health. The project creates to approaches, and data for rigorous evaluations, providing evidence to address health challenges.	ols,	

### CPC Data Portal Login: Which Microsoft Account to Select?

- Login to the CPC Data Portal using a Microsoft account
  - Black "Sign in with Microsoft" button for non-UNC account
    - Use personal Microsoft account or create a new account
    - Note that some schools/workplaces may already provide you with a Microsoft account

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• White "Sign in with Microsoft" button for UNC account



#### CPC Data Portal: Viewing Required Files

- On the main Add Health page, scroll down until you see <u>dbGaP</u> <u>Linkage File</u> listed
- Hover over pink boxes to read dbGaP linkage file requirements (e.g. IRB approval, security plan, and security agreements)

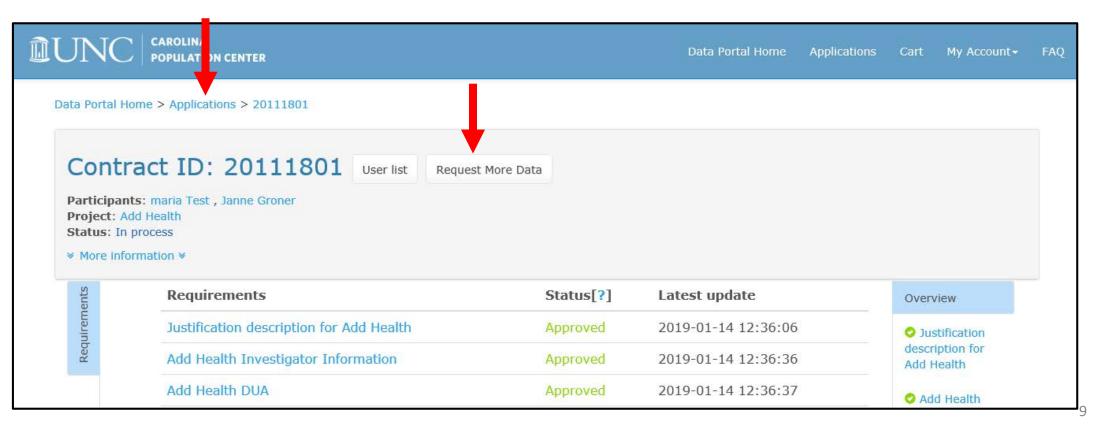
	urity Pledge(s)	Add Health Su	-		In Cart	
					In Cart	
	W 495 - 597 - 544					
alth Sensitive Da		n				

#### dbGaP Linkage File: Required Files

- As shown on slide 12, access to the dbGaP linkage file requires the following four files
  - Add Health Linkage File Agreement
  - dbGaP Add Health Data Use Certification Agreement
  - dbGaP NIH-Approved dbGaP NIH Data Access Request
  - dbGaP Add Health Linkage File Processing Fee (\$100)
- After checking out (slide 11), you will receive an email detailing these files and how to upload them.

# CPC Data Portal: How to Request the dbGaP Linkage File

 Under the applications tab, click on the "Request More Data" button to see the dbGaP Linkage File



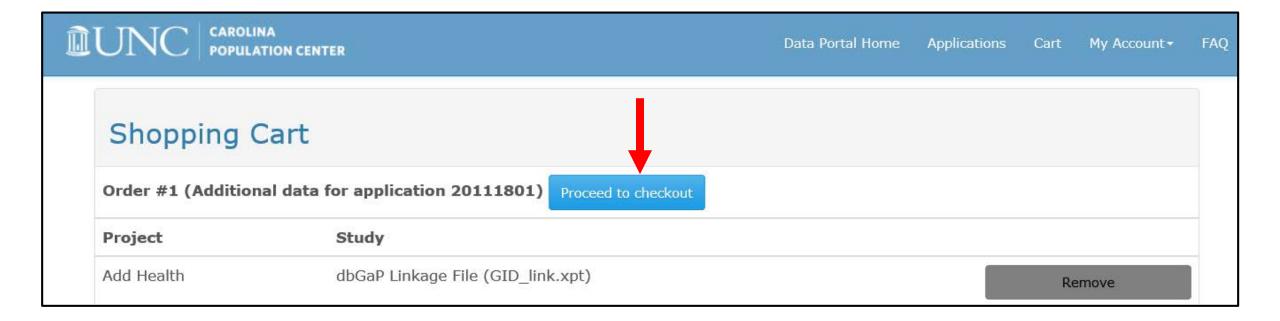
### CPC Data Portal: Selecting the dbGaP Linkage File

 Click on the "Add to Cart" button for the dbGaP Linkage File and then click "Cart" tab

	Wave I In-Home Interview Data	In application
	wave I In-Home Interview Data	In application
	Wave I School Administrator Questionnaire Data	In application
	School Information Data	In application
	Wave I In-School Questionnaire Data	In application
	Wave I In-Home Weights	In application
	Wave I School Administrator Weights	In application
	Wave I Grand Sample Weights	In application
	Wave II In-Home Interview Data	In application
	Wave II School Administrator Questionnaire Data	In application
	Wave II Grand Sample Weights	In application
	Wave III In-Home Interview Data	In application
	Wave III Grand Sample Weights	In application
	Wave IV In-Home Interview Data	In application
	Wave IV Grand Sample Weights	In application
	Wave V, Sample 1	In application
dbGaP Linkage File		
	dbGaP Linkage File (GID_link.xpt)	Add to cart

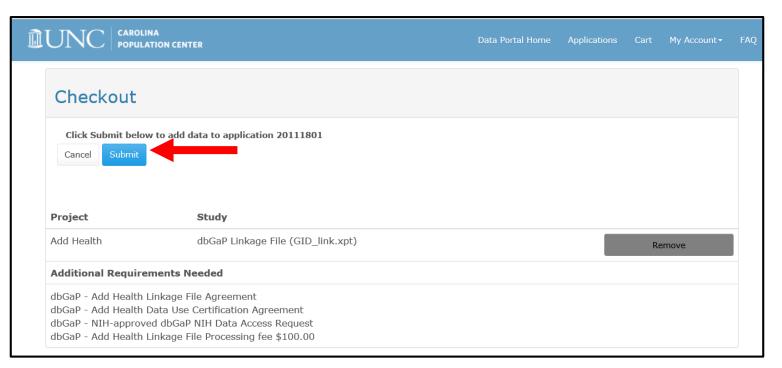
#### CPC Data Portal: How to Checkout

Click "Proceed to checkout"



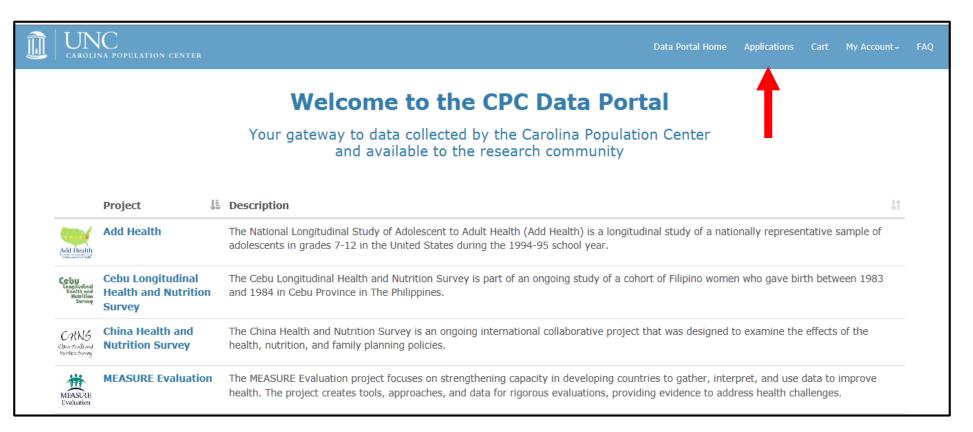
#### CPC Data Portal: Submit Request

- Click "Submit" blue button
- Shortly after you submit your application, you will receive an email from CPC Data Portal staff with instructions on how to proceed.



### CPC Data Portal: Checking Status of Application and Uploading Required Files

• After logging on with your Microsoft account, you will now see an "Applications" tab, which will allow you to view your application



### CPC Data Portal: Checking Status of Application and Uploading Required Files

- Click on the blue ID number link to see the application and required files.
  - The ID number is your contract number

	TER			Data Portal Home	e Applications	Cart My Accoun	t•
Data Portal Home > Applications							
Applications							
Show 10 🖌 entries					Searc	h:	
Created Date	ID 🚽 🕸	Project	1 Institution	IT PI I	1 Applicant	1 Progress	1
2018-11-20 15:39:14	20111801	Add Health	UNC CH		Test, maria		

#### CPC Data Portal: Accessing and Submitting Required Files

• Download, complete, sign, and upload required files through the portal.

ients	Requirements	Status[?]	Latest update	Overview
Requirements	Justification description for Add Health	Approved	2019-01-14 12:36:06	Justification
Req	Add Health Investigator Information	Approved	2019-01-14 12:36:36	description for Add Health
	Add Health DUA	Approved	2019-01-14 12:36:37	Add Health
Data	Add Health Security Pledge(s)	Approved	2019-01-14 12:36:39	Investigator Information
	Add Health Supplemental Agreement	Approved	2019-01-14 12:36:41	Add Health
	Add Health Data Processing Fee	Approved	2019-01-14 12:36:43	DUA
	Add Health IRB approval letter	Approved	2019-01-14 12:36:45	Add Health
	Add Health Sensitive Data Security Plan	Approved	2019-01-14 12:36:47	Security Pledge (s)
	dbGaP - Add Health Linkage File Agreement	In process	2019-01-14 13:08:40	Add Health
	dbGaP - Add Health Data Use Certification Agreement	In process	2019-01-14 13:08:40	Supplemental Agreement
	dbGaP - NIH-approved dbGaP NIH Data Access Request	In process	2019-01-14 13:08:40	Add Health
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#### **CPC Data Portal: Reviewing Application Status**

- After all required files have been reviewed and approved by Add Health staff, the status changes to "Approved"
- Email notification of approval will be sent to your registered Microsoft email account

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	dbGaP - NIH-approved dbGaP NIH Data Access Request	Approved	2019-01-14 13:16:45	Add Health
	dbGaP - Add Health Linkage File Processing fee \$100.00	Approved	2019-01-14 13:16:46	Data Processing Fee

How to access Add Health phenotype data <u>without</u> an existing contract Slides 18-29

#### Overview: How to Access Add Health Phenotype Data and dbGaP Linkage File Without an Existing Add Health Contract

- If you need additional phenotype data, you must apply for an Add Health restricted-use contract.
- Apply online through the CPC Data Portal: <u>https://data.cpc.unc.edu/</u>.
- When selecting the files for your contract, be sure to include the dbGaP Linkage File, which is needed to link genomic data to the phenotype data.
- Please note that your dbGaP security plan may need to be revised to meet the security requirements for the combined phenotype genotype data.
- There is a \$1,100 administrative fee for the Add Health phenotype data and the dbGaP linkage file.

#### CPC Data Portal: Gateway for Accessing Add Health Phenotype Data and dbGaP Linkage File

• The first step in applying for an Add Health contract is to create an application on the CPC Data Portal: <a href="https://data.cpc.unc.edu/">https://data.cpc.unc.edu/</a>

		Welcome to the CPC Data Portal					
		Your gateway to data collected by the Carolina Population Center and available to the research community					
	Project 🖡	Description					
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MEASURE Evaluation	MEASURE Evaluation	he MEASURE Evaluation project focuses on strengthening capacity in developing countries to gather, interpret, and use data to improve health. The project creates to pproaches, and data for rigorous evaluations, providing evidence to address health challenges.					
	Measurement, Learning & Evaluation (MLE)	The Measurement, Learning & Evaluation (MLE) Project is the evaluation component of the Urban Reproductive Health Initiative (URHI). URHI is a Bill & Melinda Gates Foundation funded multi-country program in India, Kenya, Nigeria, and Senegal that aimed to improve the reproductive health of the urban poor by increasing the accessibility, guality, and use of family planning services. From 2010 – 2016, the projects have used different interventions, both demand and supply side, to increase					

#### CPC Data Portal: Step-By-Step Instructions

#### • Go to <a href="http://data.cpc.unc.edu/">http://data.cpc.unc.edu/</a>

- On your initial visit to the site to create the application, you will:
  - Choose datasets you are interested in using (you can always request more data later)
  - Submit your application.
- On the project list Select "Add Health"
- Select tab Restricted-Use Data (Group View)



- Core Files are included with all contracts; click Core Files "Add Bundle" or let the "cart" do that for you at checkout.
- Hover over pink boxes to read about the requirements.
  - Note that you are not submitting required forms at this point.

Add to Cart

- Click on dbGaP Linkage File and all other required phenotype files
- Select the blue button

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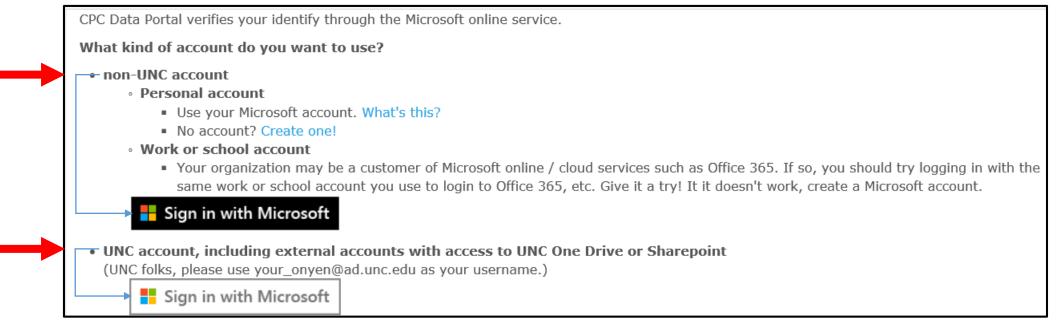
- Click the blue button Proceed to checkout
- Fill out the "Applicant Contact Information" page
- Review the requirements and click the blue button Submit
- Shortly after you submit your application, you will receive an email from CPC Data Portal with instructions on how to continue.

### CPC Data Portal Login: Which Microsoft Account to Select?

- Log in to the CPC Data Portal using a Microsoft account
  - Black "Sign in with Microsoft" button for non-UNC account
    - Use personal Microsoft account or create a new account
    - Note that some schools/workplaces might already provide you with a Microsoft account

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• White "Sign in with Microsoft" button for UNC account



### CPC Data Portal: Viewing Phenotype Files and Associated Requirements

- On the main Add Health page, scroll down until you see dbGaP Linkage File and phenotype data.
  - The dbGaP linkage file is required to merge the genomic and phenotype data
- Hover over pink boxes to identify required files (e.g. IRB approval, security plan, and security agreements)

Add Health Data Processing Fee Add Health IRB approval letter Add Health Sensitive Data Security Plan          El dbGaP Linkage File         Requirements:       dbGaP - Add Health Linkage File Agreement	🗈 dbGaP Linkage File	Core Files Requirements: Add Health Investigator Infor	mation Add Health DUA Ad	d Health Security Pledge(s)	Add Health Supplemental Agreement	In Cart	
D dbGaP Linkage File	D dbGaP Linkage File Requirements: dbGaP - Add Health Linkage File Agreement dbGaP - Add Health Data Use Certification Agreement	Add Health Data Processing Fee Add Health	IRB approval letter Add Health	n Sensitive Data Security Plan			
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		<u>dbGaP Linkage File</u>					
			īle Agreement 🚽 dbGaP - Add He	alth Data Use Certification Agro	eement		

#### Phenotype Data and dbGaP Linkage File: Required Files

- Access to Add Health phenotype data and dbGaP Linkage File requires several files, *including*:
  - Add Health Linkage File Agreement
  - dbGaP Add Health Data Use Certification Agreement
  - dbGaP NIH-Approved dbGaP NIH Data Access Request
  - dbGaP-Add Health Linkage File Processing Fee (\$1,100)
- After checking out (instruction on slide 24), you will receive an email detailing these files and how to upload them.

### CPC Data Portal: View Cart and Proceed to Checkout

- Shopping cart shows all selected files.
  - Specific datasets can be removed at this time.

Ì	$\mathrm{UNC} _{population}$	ICENTER	Data Portal Home	Applications	Cart	Admin <del>-</del>	My Account <del>-</del>	FAQ
	Shopping Ca	rt						
	Order #1 (New applic	ation) Proceed to checkout						
	Project	Study						
	Add Health	dbGaP Linkage File (GID_link.xpt)				Remove	ł	
	Add Health	Core Files bundle Wave I In-Home Interview Data Wave I School Administrator Questionnaire Data School Information Data Wave I In-School Questionnaire Data Wave I In-Home Weights Wave I School Administrator Weights Wave I Grand Sample Weights				Remove bu	ndle	

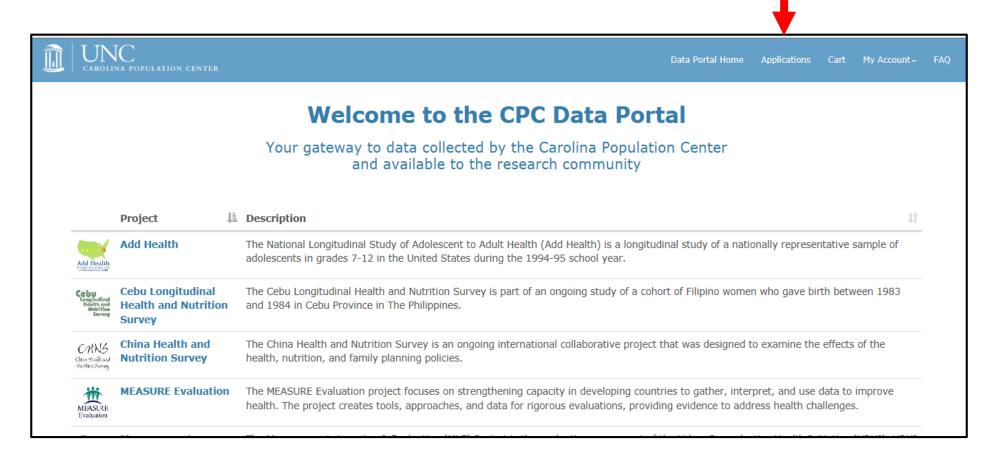
### CPC Data Portal: Provide Contact Information and Hit "Submit"

• After submission, you will receive an email from CPC Data Portal staff with instructions on how to proceed

		Data Portal Home	Applications Cart	Admin- My Accou	it- FAQ
Checkout					
Applicant Contact Informat	ion				
First Name* Last Name* Your Role* Institution* Department Phone Number	First Name Last Name Please select one Institution Department (XXX)XXX-XXX			×	
Email* Project S	Email * Indicates required field Cancel Submit				
Add Health	dbGaP Linkage File (GID_link.xpt)		Remo	/e	
	C <b>ore Files bundle</b> Nave I In-Home Interview Data Nave I. School Administrator Questionnaire Data School Information Data		Remove b	undie	

### CPC Data Portal: Checking Status of Required Files

• Go to application tab to review status of required files



### CPC Data Portal: Checking Status of Application and Uploading Required Files

- Click on the blue ID number link to see the application and required files.
  - The ID number is your contract number

	TER			Data Portal Home	Applications C	art My Account <del>-</del>
Data Portal Home > Applications						
Applications						
Show 10 v entries					Search:	
Created Date	ID 🚽 🥼	Project	1 Institution	lî pi li	Applicant	Progress
2018-11-20 15:39:14	20111801	Add Health	UNC CH		Test, maria	

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#### Additional Add Health OMICs Resources

- Sign up for the addhealthomics listserv. To subscribe/join:
  - 1. Send an email to <u>subscribe-addhealthomics@listserv.unc.edu</u> with no message body
  - 2. Wait for addhealthomics confirmation email
  - 3. Click the confirm link the email
- <u>Future resources</u> that will aid users in accessing, understanding, analyzing, and interpreting Add Health genomics data, prioritizing GWAS data, will be posted at:
  - <u>https://www.biostars.org/t/addhealthomics/</u>
  - <u>https://www.cpc.unc.edu/projects/addhealth/documentation/omics</u>