MCPS Projects Tracker		Projects are show in order of Start Date with most recent first and those started in the last 3 months are highlighted in pink. Individual Data Sharing Agreements are no longer available							
		MCPS Researchers	External Principal Invesitgator	Start Date	DSA Required	Date DSA signed	MCPS Data Request ID	ProjectID	
Informal Collaboratio	n								
Title Genetic determinants of cardiometabolic traits in Hispanics: Coronary heart disease									
Status Data transferred/acces	ssed	Paulina Baca Paynado, Jaime Berumen, Jason Torres, Tianshu Liu	Dr Lindsay Fernandez-Rhodes	01/04/2024	NYK		2024-019	134	
Research Summary/Abstract The primary goals of this study are: Integrate different resources of Hispanic and Latino samples in a meta-analysis to identify novel common genetic variants associated with coronary heart disease (CHD), that may not have been detected previously due to lack of power; Identify study-specific genetic variants influencing CHD; Perform a PheWAS on the genetic variants identified in the discovery phase (steps 1 and 2), using the MVP and BioVU Hispanic PheWAS data.									
Further information N/A									
Title Using genetics to inform lipoprotein (a) interventions									
Status Data transferred/acces	ssed	Paulina Baca Paynado, Jaime Berumen	Dr Kari North	16/10/2023	No		2023-032	112	
Research Summary/Abstract	Briefly, lipoprotein (a) [Lp(a)] is a highly heritable, atherogenic and prothrombotic lipoprotein that consists of a low-density lipoprotein (LDL)-like particle covalently bound to apolipoprotein (a). In addition to well-known effects of high Lp(a) on increased CVD incidence, low Lp(a) has been shown to be paradoxically associated with increased type 2 diabetes, infection, and bleeding risk. However, the inverse associations with non-CVD outcomes have been inconsistent. With recent development of Lp(a)-targeted therapies with RNA interference agents that reduce Lp(a) concentrations by 80-90% under investigation, there is, therefore, an urgent need to investigate the potential impact of very low Lp(a). However, studies systematically and comprehensively assessing the effect of very low Lp(a) remain scarce, missing opportunities to better inform unintended consequences of potent Lp(a)-reducing therapies. Thus, the proposed study aims to estimate the causal effects of very low Lp(a) using LPA null alleles that produce little to no Lp(a) as genetic instruments. These null alleles are enriched in Amerindian populations, particularly populations of Mexican background.								
Title European Preventive	Cardiology Work Group testing new So	CORE2 equations							
Status Data transferred/acces	ssed	Louisa Gnatiuc-Friedrichs, Eirini Trichia	Dr Ko Ko (Troy) Maung	20/03/2023	No		2023-013	71	
Research Summary/Abstract SCORE2 is a cardiovascular risk assessment tool to estimate a 10-year risk of developing a fatal cardiovascular event. However, the applicability and accuracy of SCORE2 in non-European countries have not been extensively validated. Genetic variations, lifestyle factors, and disease prevalence can differ significantly between European and non-European populations, potentially impacting the tool's performance. The aim of this study is to evaluate the performance of the SCORE2 prediction models in ethnic and socioeconomic diverse populations between different countries.									
Further information K:\Mexic	o\Admin\Data Access Policy\Academi	c data sharing agreement\2023-013_EPCWG\mcps	-data-access-request-form-v3.1-english.p	df					
Title Genetic Analysis of Ald	cohol Consumption								
Status Data transferred/acces	ssed	Jason Torres, Eirini Trichia	Dr José Jaime Martínez-Magaña	13/02/2023	No		2023-009	67	
Research Summary/Abstract Alcohol GWAS summary estimates were sent.									
Further information N/A									

		MCPS Researchers	External Principal Invesitgator	Start Date	DSA Required Date DSA signed	MCPS Data Request ID	ProjectID		
Title Evaluating differences in the genetic prediction of lipid-lowering and hypertension drugs between populations.									
Status Data transferred/accessed		Jason Torres	Dr Tom Gaunt	10/01/2023	No	2023-024	88		
Research Summary/Abstract The purpose of this project is to investigate differences in the genetic prediction of lipid-lowering and hypertension drugs between populations. The first aim is to investigate differences in genetic effects on low-density lipoprotein cholesterol (LDLc) and blood pressure between populations – relating to the question of whether genetic factors drive differential vulnerability across groups. We will perform genome-wide association studies, stratifying samples by ethnicity and environment, in order to identify instruments for LDLc and systolic blood pressure (SBP) in each population/sub-population. Instruments will be refined using ancestry-aware fine-mapping methods, and then evaluated for differential effects across groups. The second aim is to investigate differential susceptibility across groups, determining whether LDLc and blood pressure have different effects across ancestries or contexts. Here we will use a Mendelian randomization framework to estimate total effects stratified by ancestry and environment. Together these analyses will provide insight into potential differences in pharmacodynamics of lipid lowering and anti-hypertensive therapies.									
Title GWAS of Heart Failure									
Status Data transferred/acces	sed	Jason Torres	Dr Alexandre Pereira	04/01/2023	No	2023-006	59		
Research Summary/Abstract Further information N/A	Summary statistics to contribute to G	WAS of Heart Failure.							
Title Dishard Dall Concerting									
Status Data transforred/accos	m	Fizial Trichia	Dr Stanhania Pass	28/11/2022	No	2022 017	10		
Status Data transferreu/acces	seu			20/11/2022	NO	2022-017	48		
Research Summary/Abstract Further information N/A	Request for SBP and LDL-C meansure	ments stratified by food category baseline and resu	rvey.						
Title Genetic analyses in pat	tients with the syndromic form of sev	ere neutropenia.							
Status Data transferred/acces	sed	Jason Torres	Dr Adolfo Aguayo Gomez	15/07/2022	No	2022-006	37		
Research Summary/Abstract Request for information on MCPS Variant Browser, followed by query about numbers of unrelated individuals with specific characteristics and potential request for individual genotypes from the study									
Title COVID 10 Hast Consti									
Status Data transferred/acces	sod	Firini Trichia	Dr Masahiro Kanai	14/07/2022	No	2022-021	52		
Status Data transierreu/acces.				14/07/2022	NO	2022-021	55		
Research Summary/Abstract Further information N/A	COVID-19 GWAS analysis								
Title MRC Cross-Population Mendelian Randomization Network									
Status Data transferred/access	sed	Jason Torres	Dr Tom Gaunt	15/02/2022	No	2022-018	49		
Research Summary/Abstract Further information N/A	Lipids, blood pressure, CHD and strok	e prevalence and mortality							

	MCPS Researchers	External Principal Invesitgator	Start Date	DSA Required Date DSA signed	MCPS Data Request ID	ProjectID		
Title Hispanic Community Health Study								
Status Data transferred/accessed	Jason Torres	Dr Piper Below	29/11/2021	No	2021-012	30		
Research Summary/Abstract Use MCPS for replication purposes of their analyses on CVD.								
Further information N/A								
Title OMEGA-NET								
Status Data transferred/accessed	Jonathan Emberson	Dr Cosima Lisi	20/10/2021	No	2021-010	28		
Research Summary/Abstract To complete a short questionnaire on the cohort for inclusion in the OMEGA-NET inventory. A publication will be prepared with a description of European and International cohorts.								
Further information N/A								
Title PRS validation work								
Status Data transferred/accessed	Jason Torres	Dr Zammy Fairhurst-Hunter	28/04/2021	No	2021-002	20		
Research Summary/Abstract PRS validation work in relation to China Kadoorie Biobank								
Further information N/A								
Title Internation Diabetes Federation Atlas								
Status Data transferred/accessed	Rachel Wade	Dr Suvi Karuranga	29/04/2020	No	2020-001	15		
Research Summary/Abstract Request for diabetes prevalence, by age and sex in MCPS. Summary data provided.								
Further information N/A								