

Resource Summary Report

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Phenotypes and eXposures Toolkit

RRID:SCR_006532

Type: Tool

Proper Citation

Phenotypes and eXposures Toolkit (RRID:SCR_006532)

Resource Information

URL: <https://www.phenxtoolkit.org/>

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Description: Set of measures intended for use in large-scale genomic studies. Facilitate replication and validation across studies. Includes links to standards and resources in effort to facilitate data harmonization to legacy data. Measurement protocols that address wide range of research domains. Information about each protocol to ensure consistent data collection. Collections of protocols that add depth to Toolkit in specific areas. Tools to help investigators implement measurement protocols.

Abbreviations: PhenX Toolkit

Synonyms: Phenotypes and eXposures Toolkit

Resource Type: service resource, data or information resource, database, narrative resource, data set, catalog, standard specification

Defining Citation: [PMID:21749974](#)

Keywords: PhenX project, genome, phenotype, genome-wide association study, genetic variation, genomic study, substance abuse, addiction, substance use, environmental exposure, disease susceptibility, outcome, bio.tools

Funding: NHGRI U01 HG004597;
NHGRI U41HG007050;
NIDA ;
OBSSR ;
NIMH ;
NHLBI ;
NIMHD ;
TRSP ;
NHGRI U24 HG012556;

ODP ;
NINDS ;
NCI

Availability: Restricted

Resource Name: Phenotypes and eXposures Toolkit

Resource ID: SCR_006532

Alternate IDs: SCR_017475, biotools:PhenX_toolkit, nlx_144102

Alternate URLs: https://bio.tools/PhenX_Toolkit

Record Creation Time: 20220129T080236+0000

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Ratings and Alerts

No rating or validation information has been found for Phenotypes and eXposures Toolkit.

No alerts have been found for Phenotypes and eXposures Toolkit.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 73 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Aguilar-Palma SK, et al. (2026) COVID-19 testing and vaccination uptake among Spanish-speaking Latine persons: impact of a novel social network intervention. BMC public health, 26(1).

Greene KY, et al. (2026) Determining Ethical Incentives in Biomedical HIV Research: Insights from Researchers, Regulators, and People Living with HIV. Journal of empirical research on human research ethics : JERHRE, 21(3), 210.

Klerman EB, et al. (2026) Translational applications of circadian research: connecting chronobiology to medicine. Npj biological timing and sleep, 3(1).

Krzyzanowski MC, et al. (2026) The PhenX Toolkit: Long COVID Collection of Standard Protocols. Current protocols, 6(4), e70317.

Babb L, et al. (2025) Improving the FAIRness and Sustainability of the NHGRI Resources Ecosystem. ArXiv.

Crosby LE, et al. (2025) Recommended measurement protocols for sickle cell disease in the PhenX toolkit: psychosocial factors and social determinants of health. *Journal of sickle cell disease*, 2(1), yoaf019.

Gonzalez-Guarda RM, et al. (2025) Promoting inclusion in COVID-19 research for diverse Hispanic/Latino(x) populations: Recommendations from the RADx?? Underserved Populations Hispanic/Latino/Latinx working group. *Journal of clinical and translational science*, 9(1), e31.

Shenoy S, et al. (2025) A road map for uniform, comprehensive long-term follow-up after curative therapy for sickle cell disease. *Blood advances*, 9(12), 3090.

Aguilar-Palma SK, et al. (2025) Characteristics influencing COVID-19 testing and vaccination among Spanish-speaking Latine persons in North Carolina. *PloS one*, 20(1), e0317794.

Obel G, et al. (2025) Innovative Development of Research Engagement Manual: Strategies to Enhance Recruitment and Retention of Black Individuals in Clinical Trials for Substance Use Disorders. *Health equity*, 9(1), 387.

Ives CL, et al. (2024) The PhenX Toolkit: Recommended Measurement Protocols for Social Determinants of Health Research. *Current protocols*, 4(3), e977.

Horvath M, et al. (2024) Smartband-based smoking detection and real-time brief mindfulness intervention: findings from a feasibility clinical trial. *Annals of medicine*, 56(1), 2352803.

Newson JJ, et al. (2024) Leveraging big data for causal understanding in mental health: a research framework. *Frontiers in psychiatry*, 15, 1337740.

Richardson EM, et al. (2024) Patient-provider communication about cigarette and e-cigarette use during pregnancy: Adaptation and validation of frequency and quality of communication measures among a sample of pregnant patients. *Tobacco prevention & cessation*, 10.

Riepenhausen S, et al. (2024) Europe's Largest Research Infrastructure for Curated Medical Data Models with Semantic Annotations. *Methods of information in medicine*, 63(1-02), 52.

Kibe LW, et al. (2024) Assessing Food Access, Exercise, and Dietary History among Older African American Parishioners During the COVID-19 Pandemic (C-FED Study): Design, Opportunities, Challenges, and Lessons Learned. *Journal of racial and ethnic health disparities*, 11(4), 1857.

Venegas-Murillo AL, et al. (2023) Mitigating COVID-19 Risk and Vaccine Hesitancy Among Underserved African American and Latinx Individuals with Mental Illness Through Mental Health Therapist-Facilitated Discussions. *Journal of racial and ethnic health disparities*, 10(3), 1358.

Zass L, et al. (2023) Developing Clinical Phenotype Data Collection Standards for Research in Africa. *Global health, epidemiology and genomics*, 2023, 6693323.

Ives C, et al. (2023) Linking complex disease and exposure data-insights from an environmental and occupational health study. *Journal of exposure science & environmental epidemiology*, 33(1), 12.

Bierut LJ, et al. (2023) Smoking cessation, harm reduction, and biomarkers protocols in the PhenX Toolkit: Tools for standardized data collection. *Addiction neuroscience*, 7.