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PHG Achievements (1997 – present)

2023



- OGPPH was renamed as Public Health Genomics Branch (PHGB) in the Division of Blood Disorders and Public health Genomics in the National Center on Birth Defects and Developmental Disabilities
- OGPPH conducted a [2-day training event in genomics and precision public health](#)
- OGPPH published a paper on the [relationship between primary immunodeficiency diseases and COVID-19 severity](#)
- OGPPH published a paper on [family history associations of multiple adult chronic conditions in the All of Us Research Program Data](#)
- OGPPH launched a [new database on epigenetic epidemiology publications](#)

2022





- OGPPH funded several CDC pilot projects to help [Integrate Human Genomics into Public Health Surveillance and Applied Research](#)
- OGPPH launched a new Human Genomics and Public Health Fellowship Program
- OGPPH published a paper on [Health equity in the implementation of genomics and precision medicine: A public health imperative](#)
- OGPPH published a special collection of articles on [DNA-based Population Screening for Precision Public Health](#)
- OGPPH published a paper on [Addressing the routine failure to clinically identify monogenic cases of common disease](#) . *Genome Medicine* 14, Article number: 60 (2022)
- OGPPH launched a new database on [COVID-19 CDC Scientific Publications](#).
- OGPPH published a paper on [COVID-19-related health outcomes in people with primary immunodeficiency: A systematic review](#)





2021

- OGPPH conducted a [strategic planning effort for public health genomics priorities in the next decade](#)
- OGPPH published a new page on [genomics and health equity](#)
- OGPPH published a paper: [From genes to public health: are we ready for DNA-based population screening](#) 
- OGPPH published a special issue on [the impact of genomics on precision public health: beyond the pandemic](#) 
- OGPPH published a paper on [Challenges and Opportunities for Communication about the Role of Genomics in Public Health](#) 
- OGPPH launched a new [5-year human genomics and public health initiative](#)
- OGPPH continued to provide [scientific information and updates on the impact of genomics and precision health on the COVID-19 response](#)




2020

- OGPPH published an information page on [cystic fibrosis](#)
- OGPPH published a [JAMA article on precision public health as a key tool in the COVID-19 response](#) 
- OGPPH published [weekly updates on COVID-19 Genomics and Precision Public Health](#)
- OGPPH launched the [Coronavirus Disease Portal](#) in Genomics and Precision Health
- OGPPH published [blog posts on the intersection of COVID-19 with genomics and precision health](#)
- OGPPH published an information page on [primary immunodeficiency](#)
- OGPPH launched the [COVID-19 Genomics and Precision Health Portal](#)
- OGPPH published a [paper on the impact of genomics and big data on precision public health](#) 

2019

- As of September 30, 2019, the CDC Office of Public Health Genomics was renamed the CDC Office of Genomics and Precision Public Health.
- OGPPH published [Prevalence and Cardiovascular Health Impact of Family History of Premature Heart Disease in the United States: Analysis of the National Health and Nutrition Examination Survey, 2007-2014](#). 
- OGPPH published [Family History-Wide Association Study \("FamWAS"\) for Identifying Clinical and Environmental Risk Factors for Common Chronic Diseases](#). 
- OGPPH published [Leveraging Implementation Science to Address Health Disparities in Genomic Medicine: Examples from the Field](#). 
- OGPPH published [Using deep learning to identify translational research in genomic medicine beyond bench to bedside](#). 

2018

- OPHG began hosting the [Surgeon General's My Family Health Portrait Tool](#) 
- OPHG conducted [10 seminars](#) to mark 20 years of public health genomics at CDC.
- OPHG published [Prevalence and Predictors of Cholesterol Screening, Awareness, and Statin Treatment Among US Adults With Familial Hypercholesterolemia or Other Forms of Severe Dyslipidemia \(1999-2014\)](#). 
- OPHG published [Precision Medicine In Action: The Impact Of Ivacaftor On Cystic Fibrosis-Related Hospitalizations](#). 

- OPHG published [Evaluating the role of public health in implementation of genomics-related recommendations: a case study of hereditary cancers using the CDC Science Impact Framework](#). [↗](#)
 - OPHG published [A collaborative translational research framework for evaluating and implementing the appropriate use of human genome sequencing to improve health](#). [↗](#)
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2017



- OPHG published: "From Public Health Genomics to Precision Public Health: A 20-Year Journey." [↗](#)
 - OPHG published: [Trends in utilization and costs of BRCA testing among women aged 18-64 years in the United States, 2003-2014](#) [↗](#)
 - OPHG published: [BRCA Genetic Testing and Receipt of Preventive Interventions Among Women Aged 18-64 Years with Employer-Sponsored Health Insurance in Nonmetropolitan and Metropolitan Areas – United States, 2009-2014](#). [↗](#)
 - OPHG published: [No Shortcuts on the Long Road to Evidence-Based Genomic Medicine](#). [↗](#)
 - OPHG published: [Evaluating Precision Medicine's Ability to Improve Population Health-Reply](#) [↗](#)
 - OPHG launched the [Population-based Genetic Screening Beyond Newborns: What is the Role of Public Health?](#)
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2016



- OPHG published: [Precision Public Health for the Era of Precision Medicine](#). [↗](#)
 - OPHG published: [Will Precision Medicine Improve Population Health?](#) [↗](#)
 - OPHG published: [CDC Grand Rounds: Family History and Genomics as Tools for Cancer Prevention and Control](#). [↗](#)
 - OPHG published: [Convergence of Implementation Science, Precision Medicine, and the Learning Health Care System: A New Model for Biomedical Research](#). [↗](#)
 - OPHG launched the [National Academy of Sciences Roundtable on Genomics and Population Health](#). [↗](#)
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2015



- OPHG launched the [Public Health Genomics Knowledge Base](#)
 - OPHG published [Genomics in Public Health: Perspective from the Office of Public Health Genomics at the Centers for Disease Control and Prevention](#) [↗](#)
 - OPHG published a paper on a public health perspective on a national precision medicine cohort: balancing long-term knowledge generation with early health benefit [↗](#)
 - OPHG published [a series of blog posts on precision medicine, epidemiology and public](#)
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2014



- OPHG launched the [public health genomics tier 1 implementation tool kit](#)
- OPHG published [the evidence-based genomic applications horizon scanning method](#) [↗](#)
- OPHG published a paper on [prioritizing genomic applications for action by level of evidence](#) [↗](#)
- OPHG published [updated guidance on Human Genome Epidemiology \(HuGE\) reviews and meta-analyses of genetic associations](#) [↗](#)
- OPHG published a paper on [evidence synthesis and guideline development in genomic medicine: current status and future prospects](#). [↗](#) *Genet Med*. 2014 Jun 19.

2013

- OPHG developed [State Public Health Genomics Activities Clickable Map](#)
- The EGAPP Working Group published an article entitled "[The EGAPP Initiative: Lessons Learned](#) "
- The EGAPP Working Group published an article entitled "[Description and pilot results from a novel method for evaluating return of incidental findings from next-generation sequencing technologies](#)" in collaboration with Kaiser Permanente Center for Health Research.
- The EGAPP Working Group published recommendations on [Type 2 Diabetes Risk Prediction](#) and [EGFR tumor testing in colorectal cancer patients](#)
- In collaboration with Emory University, OPHG held a summer course in Translational Genomics
- OPHG updated [list of Genomic Tests and Family History by Levels of Evidence](#)

2012

- Special issue of the journal Public Health Genomics: Using Genetic Information to Improve Health Now and in the Future
- EGAPP working group publishes several recommendations and an updated methodology for evaluation
- New Report: [New Strategies in Public Health Genomics: Actions to Save Lives Now](#) [PDF 951.80 KB]
- CDC launches [an evidence-based classification of genomic tests and family health history](#)


2011

- Family Healthware Impact Trial demonstrates [improvements in health behaviors](#) in response to health messages tailored to familial risk
- Michigan Department of Community Health extends payer coverage for the [USPSTF BRCA recommendation to over 7 million people](#) with OPHG support
- OPHG and HuGENet published the GRIPS Statement simultaneously in ten journals
- Launched the new [Genomics and Health Impact Blog](#)
- OPHG-supported EGAPP™ Working Group released a [new recommendation statement](#)
- OPHG-sponsored [Priorities for Public Health Genomics 2012-2017 Report](#) [PDF 5.16 MB] released

2010

- OPHG and partners hosted the [4th National Conference on Genomics and Public Health](#)
- Established new PLoS Currents: Evidence on Genomic Tests
- Launched the new GAPP Knowledge Base
- New edition of [Human Genome Epidemiology](#) book published
- OPHG-supported EGAPP™ Working Group released a [new recommendation statement](#)
- CDC-sponsored [ASTHO State Public Health Genomics Resource Guide](#) released

2009

- OPHG published an article: [A Decade of public health genomics at CDC](#) 
- EGAPP™ awarded CDC Director's Innovation Award
- OPHG supported-EGAPP™ Working Group released [three new recommendations](#)
- Launched [Genomic Applications in Practice and Prevention Network \(GAPPNet\)](#)
- Launched [Genetics for Early Disease Detection and Intervention \(GEDDI\)](#) project

2008



- OPHG celebrates its 10th year anniversary
- OPHG awards funding to five new [genomics translation projects](#)
- Hosted HuGENet™ Network of Networks Workshop
- CDC and NIH co-sponsored Personal Genomics Workshop

2007



- OPHG provided [intramural seed funding for nine CDC projects](#)
- OPHG supported-EGAPP™ Working Group releases [1st recommendation](#)
- CDC and NIH co-organized Public Health Genomics Seminar

2006



- OPHG provided [intramural seed funding for eleven CDC projects](#)
- OPHG and NCIRD established the [CDC Influenza Public Health Genomics Initiative](#)

2005



- Hosted Family Health History Workshop
- Co-hosted Genome based Research and Population Health Workshop
- Hosted International Biobank and Cohort Studies meeting
- Hosted Genomics Day 2005: Public Health Genomics at CDC Symposium
- Published a report on [Genomics and Population Health, 2005](#)

2004



- OPHG established EGAPP™ [Steering committee](#) was initiated
- OPHG and CSTE organized a workshop on the role of genomics in public health investigations
- Co-hosted ACCE: A Short Course

2003



- [ACCE framework](#) was published
 - Four state health departments were funded to build genomics capacity
 - Hosted Genomics and the Future of Public Health Symposium Presentations
 - Published a report on [Genomics and Population Health, United States, 2003](#)
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2002



- [NHANES III Collaborative Genomics Project](#) was started
 - [Family Health History Public Health Initiative](#) launched
 - Hosted [Family History Workshop](#)
 - Co-hosted [Banking Newborn Blood Spots for Public Health, September 2002](#)
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2001



- [1st Centers for Genomics and Public Health](#) were established
 - [ACCE Project](#) was initiated
 - [Genomic Competencies for the Public Health Workforce](#) developed
 - Hosted [Applying Genetic and Public Health Strategies to Primary Immunodeficiency Diseases Meeting](#)
 - Convened [Guidelines For Evaluating Human Genome Epidemiology Studies Expert Panel Workshop](#)
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2000



Co-sponsored [3rd National Conference on Genetics and Disease Prevention](#)

1999



- Funded [1st extramural grants: prevention research](#)
 - Co-sponsored [2nd National Conference on Genetics and Public Health](#)
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1998



- Co-sponsored [1st National Conference on Genetics and Public Health](#) was held in Atlanta
 - [HuGENet](#) was established
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1997



- CDC established the Office of Genetics and Disease Prevention (now known as the Office of Genomics and Precision Public Health)
 - CDC published a [Strategic Plan on Genetics and Public Health](#)
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