



PAHO



Pan American
Health
Organization



World Health
Organization
ORGANISATION MONDIALE DE LA SANTE

PAHO/WHO Collaborating Centres

By Strategic Plan Outcome

2020 - 2025

PAHO/WHO Collaborating Centres by Outcome

Disclaimer: The information contained in this document has the sole purpose of listing all active PAHO/WHO Collaborating Centres in the Americas organized by PAHO's 2020-2025 Strategic Plan Outcomes. Furthermore, it does not constitute official information about such Centres. This document may be used to complement other information obtained through official channels.

Outcome	Number of Centres Aligned to Outcome
OUTCOME 19: Health promotion and intersectoral action	18
OUTCOME 7: Health Workforce	21
OUTCOME 24: Epidemic and pandemic prevention and control	15
OUTCOME 17: Elimination of communicable diseases	13
OUTCOME 8: Access to Health Technologies	14
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OUTCOME 4: Response capacity for communicable diseases	9
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OUTCOME 1: Access to comprehensive and quality health services	7
OUTCOME 22: Research, ethics, and innovation for health	7
OUTCOME 13: Risk factors for NCDs	8
OUTCOME 2: Health throughout the life course	5
OUTCOME 3: Quality care for older people	5
OUTCOME 15: Intersectoral response to violence and injuries	3
OUTCOME 25: Health Emergencies Detection and Response	1
OUTCOME 6: Response capacity for violence and injuries	2
OUTCOME 9: Strengthened stewardship and governance	2
OUTCOME 10: Increased public financing for health	1
OUTCOME 16: Intersectoral action on mental health	0
OUTCOME 27: Leadership and governance	1
OUTCOME 11: Strengthened financial protection	-
OUTCOME 26: Cross-Cutting Themes: Equity, Ethnicity, Gender, and Human Rights	-
OUTCOME 14: Malnutrition	-
OUTCOME 28: Management and administration	-
TOTAL	191*
*This number is different than the total number of CCs as several CCs align with multiple outcomes.	

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REF #	Entity and Outcome	WHO Official Name	RO	TC	Institution
OUTCOME 1: Access to comprehensive and quality health services					
CHI-18	HSS 1 and 2	WHO CC for Development of Midwifery	Bremen De Mucio (PAHO)	Anayda Portela (WHO)	Escuela de Obstetricia, Departamento de Promoción de la Salud de la Mujer y el Recién Nacido, Facultad de Medicina, Universidad de Chile
USA-351	HSS 1, 2 and 19	WHO CC for Research Evidence for Sexual and Reproductive Health	Mandita Thatte (WHO)	Rodolfo Gomez (PAHO)	Department of Maternal and Child Health, School of Public Health, University of North Carolina
PER-10	HSS 1	WHO CC on Traditional and Complimentary Medicine	Jonas Gonseth-Garcia (PAHO)	Qi Zhang (WHO)	Gerencia de Medicina Complementaria, Gerencia Central de Prestaciones de Salud, Seguro Social de Salud (EsSalud)
CAN-102	HSS 1	WHO Collaborating Centre on Family Medicine and Primary Care	Ann-Lise Guisset (WHO)	Jonas Gonseth-Garcia (PAHO)	Department of Family and Community Medicine, University of Toronto
BRA-87	HSS 1	WHO CC to Strengthen Human Milk Banks	Pablo Duran (PAHO)	Ornella Lincetto (WHO)	Instituto Nacional de Saúde da Mulher, da Criança e do Adolescente Fernandes Figueira (IFF), Fundação Oswaldo Cruz (Fiocruz), Ministério da Saúde
BRA-88	HSS 1, 7 and 21	WHO CC on Innovation in Virtual Education for Health	Gabriel Listovsky (PAHO)	Gaya Gamhewage (WHO)	Laboratório de Inovação Tecnológica em Saúde (LAIS) Universidade Federal Do Rio Grande Do Norte

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CAN-113	HSS 1	WHO CC for Health Services and Systems Performance	Kathryn O'Neill (WHO)	Amalia del Riego (PAHO)	Institute for Global Public Health at the Rady Faculty of Health Sciences, University of Manitoba
OUTCOME 2: Health throughout the life course					
USA-429	HSS 2	WHO CC for Quality-Improvement, Evidence-Based Dentistry	Enrique Vega (PAHO)	Benoit Varenne (WHO)	Department of Epidemiology and Health Promotion, College of Dentistry, New York University
USA-379	HSS 2	WHO CC for Promoting Family and Child Health	Pablo Duran (PAHO)	Anshu Banerjee (WHO)	Center for Global Health, School of Public Health, University of Colorado
ARG-40	HSS 2, 21 and 22	WHO CC for Research in Human Reproduction	Bremen De Mucio (PAHO)	Olufemi Oladapo (WHO)	Epidemiology Unit, Centro Rosarino de Estudios Perinatales
OUTCOME 3: Quality care for older people					
CUB-20	HSS 3	WHO CC in Public Health and Aging	Enrique Vega (PAHO)	Ritu Sandana (WHO)	Department of Surveillance of Ageing and Health, Research Center in Longevity, Ageing and Health (CITED)
USA-303	HSS 3	WHO CC in Gerontological Nursing Education	Enrique Vega (PAHO)	Ritu Sandana (WHO)	College of Nursing, New York University
USA-405	HSS 3	WHO CC in Aging and Health	Enrique Vega (PAHO)	Ritu Sandana (WHO)	Sealy Center on Aging, University of Texas Medical Branch (UTMB)
CHI-24	HSS 3, 18	WHO CC for Age-friendly Ecosystems	Enrique Vega (PAHO)	Christopher Mikton (WHO)	Centro Interdisciplinario para el Desarrollo del Adulto Mayor – Gerópolis UV, Vice Rectoría de Vinculación con el Medio Universidad de Valparaíso

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MEX-36	HSS 3	WHO CC in Integrated Care for Healthy Aging	Enrique Vega (PAHO)	Yuka Sumi (WHO)	Dirección de Investigación, Instituto Nacional de Geriatria (INGER)
OUTCOME 4: Response capacity for communicable diseases					
ARG-15	CDE 4	WHO CC for Epidemiology and Control of Tuberculosis	Pedro Avedillo (PAHO)	Giuliano Gargioni (WHO)	Instituto Nacional de Enfermedades Respiratorias "Emilio Coni"
CUB-18	CDE 4	WHO CC for the Study and Control of Dengue	Jose Luis San Martin (PAHO)	Raman Velayudhan (WHO)	Dengue Laboratory, Institute of Tropical Medicine "Pedro Kouri"
FRA-125	CDE 4	WHO CC for Surveillance of Anti-malarial Drug Resistance	Maria Paz Ade (PAHO)	Pascal Ringwald (WHO)	Laboratoire de Parasitologie National Reference Center for Malaria in French Guiana and French West Indies, Institut Pasteur de la Guyane
USA-470	CDE 4	WHO CC for Prevention and Control of Malaria	Erin Shutes (WHO)	Maria Paz Ade (PAHO)	Malaria Branch, Division of Parasitic Diseases and Malaria at the Center for Global Health, Centers for Disease Control and Prevention (CDC)
ARG-29	CDE 4 and 12	WHO CC for Insecticide Resistance and Insecticide Research on Chagas and Dengue Vectors	Haroldo Bezerra (PAHO)	Raman Velayudhan (WHO)	Centro/Departamento de Investigaciones de Plagas e Insecticidas (CIPEIN or DIPEIN), Unidad de Investigación y Desarrollo Estratégicos para la Defensa (UNIDEF), Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)
MEX-29	CDE 4 and 17	WHO CC for Training on Malaria Microscopy Diagnosis	Maria Paz Ade (PAHO)	Andrea Bosman (WHO)	Laboratorio de Paludismo, Departamento de Parasitología, Instituto de Diagnóstico y Referencia

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					Epidemiológicos (InDRE), Secretaría de Salud
BRA-65	CDE 4, 24 and 25	WHO CC for Leptospirosis	Baldomero Molina (PAHO)	Eric Bertherat (WHO)	Laboratório de Referência Nacional em Leptospiriose, Instituto Oswaldo Cruz, Oswaldo Cruz Foundation (FIOCRUZ)
USA-367	CMI 4	WHO CC for Vaccine Epidemiology and Evaluation	Tracey Goodman (WHO)	Soledad Urrutia (PAHO)	Johns Hopkins Vaccine Initiative (JHVI), Department of International Health, Bloomberg School of Public Health, Johns Hopkins University
USA-454	CDE 4	WHO CC for Streptococcus Infections	Fatima Serhan (WHO)	Gloria Rey (PAHO)	Division of Bacterial Diseases, Streptococcus Laboratory, Centers for Disease Control and Prevention (CDC)
OUTCOME 5: Access to services for NCDs and mental health conditions					
CAN-44	NMH 5	WHO CC on Noncommunicable Disease Policy	Silvana Luciani (PAHO)	Temo Waqanivalu (WHO)	Centre for Chronic Disease Prevention and Control (CCDPC), Public Health Agency of Canada
USA-471	NMH 5	WHO CC on Integration Science and Service Delivery	Hongyi Xu (WHO)	Silvana Luciani (PAHO)	Center for Integration Science in Global Health Delivery, Division of Global Health Equity, Brigham and Women's Hospital
BRA-80	NMH 5	WHO CC for Rehabilitation	Antony Duttine (WHO)	Silvana Luciani (PAHO)	Institute of Physical Medicine and Rehabilitation (IMREA), General Hospital of the University of Sao Paulo

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USA-478	NMH 5	WHO CC for Rehabilitation	Antony Duttine (WHO)	Silvana Luciani (PAHO)	Department of Rehabilitation Medicine, School of Medicine, Emory University
USA-424	NMH 5	WHO CC for Global Cancer Control	Andre Ilbawi (WHO)	Silvana Luciani (PAHO)	Center for Global Health, National Cancer Institute, National Institutes of Health (NIH)
USA-445	NMH 5	WHO CC for Childhood Cancer	Andre Ilbawi (WHO)	Silvana Luciani (PAHO)	Department of Global Pediatric Medicine, St. Jude Children's Research Hospital
USA-473	NMH 5	WHO CC for Cervical Cancer Elimination	Princess Simelela (WHO)	Mauricio Maza (PAHO)	Sylvester Comprehensive Cancer Center, University of Miami
USA-456	NMH 5	WHO CC for Alcohol Epidemiology and Injury	Mario Zapata (PAHO)	Vladimir Poznyak (WHO)	Alcohol Research Group (ARG), Public Health Institute
CAN-114	NMH 5	WHO CC on Alcohol and Public Health Policy Research	Mario Zapata (PAHO)	Vladimir Poznyak (WHO)	Canadian Institute for Substance Use Research (CISUR), University of Victoria
HON-1	NMH 5	WHO CC for Research and Community Intervention in Epilepsy	Claudiana Cayetano (PAHO)	Tarun Dua (WHO)	Neurology Training Program, Faculty of Medical Sciences, National Autonomous University of Honduras
USA-480	NMH 5	WHO Collaborating Centre for Mental Health Care Innovation and Implementation	Brandon Gray (WHO)	Renato Oliveira e Souza (PAHO)	UW Consortium for Global Mental Health, University of Washington
CHI-20	NMH 5	WHO CC for Education and Service Development for People with Epilepsy	Claudina Cayetano (PAHO)	Tarun Dua (WHO)	Liga Chilena contra la Epilepsia
USA-418	NMH 5	WHO CC for Training and Community Mental Health	Claudina Cayetano (PAHO)	Mark Van Ommeren (WHO)	Department of Psychiatry, School of Medicine, Loma Linda University

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CHI-25	NMH 5	WHO CC for Service Development, Training and Research in Mental Health	Claudina Cayetano (PAHO)	Mark Van Ommeren (WHO)	Escuela de Salud Pública, Facultad de Medicina Universidad de Chile
CAN-121	NMH 5	WHO CC for Research and Training in Mental Health	Claudina Cayetano (PAHO)	Mark Van Ommeren (WHO)	Academic Affairs, Teaching and Research Directorate, Montreal West Island Integrated University Health and Social Services Centre
ARG-30	IMT 5,8,12, and 21	WHO CC on the Rational Use of Medicines	Edgar Rojas (PAHO)	Gilles Forte (WHO)	Centre for Pharmacology, School of Medicine, National University of La Plata
OUTCOME 6: Response capacity for violence and injuries					
USA-439	NMH 6	WHO CC for Emergency and Trauma Care	Tamitza Toroyan (WHO)	Ricardo Perez (PAHO)	Department of Emergency Medicine, University of California at San Francisco
USA-485	NMH 6	WHO CC for Emergency, Critical and Operative Care	Lee Wallis (WHO)	Ricardo Perez (PAHO)	Department of Emergency Medicine, Johns Hopkins Medicine, Johns Hopkins University
OUTCOME 7: Health workforce					
BRA-59	HSS 7	WHO CC for Education of Health Technicians	Silvia Cassiani (PAHO)	Carey McCarthy (WHO)	Escola Politécnica de Saúde Joaquim Venancio (EPSJV), Fundação Oswaldo Cruz (FIOCRUZ)
CAN-39	HSS 7	WHO CC in Primary Care Nursing and Health Human Resources	Silvia Cassiani (PAHO)	Carey McCarthy (WHO)	School of Nursing, Faculty of Health Sciences, McMaster University
CHI-19	HSS 7	WHO CC for Health Services and Nursing Development for Noncommunicable Disease Care	Silvia Cassiani (PAHO)	Carey McCarthy (WHO)	Escuela de Enfermería, Pontificia Universidad Católica de Chile

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JAM-15	HSS 7	WHO CC for Nursing and Midwifery Development in the Caribbean	Silvia Cassiani (PAHO)	Carey McCarthy (WHO)	School of Nursing (UWISON), University of the West Indies
MEX-19	HSS 7	WHO CC for the Development of Professional Nursing	Silvia Cassiani (PAHO)	Carey McCarthy (WHO)	Escuela Nacional de Enfermería y Obstetricia, Universidad Nacional Autónoma de México
USA-193	HSS 7	WHO CC for International Nursing Development in Primary Health Care	Silvia Cassiani (PAHO)	Carey McCarthy (WHO)	College of Nursing, University of Illinois at Chicago
USA-206	HSS 7	WHO CC for Nursing and Midwifery Leadership	Silvia Cassiani (PAHO)	Carey McCarthy (WHO)	School of Nursing, University of Pennsylvania
USA-241	HSS 7	WHO CC for International Nursing	Silvia Cassiani (PAHO)	Carey McCarthy (WHO)	School of Nursing, University of Alabama at Birmingham (UAB)
USA-272	HSS 7	WHO CC for Advanced Practice Nursing	Silvia Cassiani (PAHO)	Giorgio Cometto (WHO)	School of Nursing, Columbia University
USA-283	HSS 7	WHO CC for Research and Clinical Training in Health Promotion Nursing	Silvia Cassiani (PAHO)	Carey McCarthy (WHO)	School of Nursing, Office of International Affairs, University of Michigan
USA-297	HSS 7	WHO CC for Nursing Information, Knowledge Management and Sharing	Silvia Cassiani (PAHO)	Carey McCarthy (WHO)	Center for Global Nursing, Johns Hopkins School of Nursing
USA-349	HSS 7	WHO CC for Nursing Human Resources Development and Patient Safety	Silvia Cassiani (PAHO)	Carey McCarthy (WHO)	School of Nursing and Health Studies, University of Miami
TRT-1	HSS 7	WHO CC in Nursing Policies and Leadership	Silvia Cassiani (PAHO)	Giorgio Cometto (WHO)	School of Nursing, University of West Indies at St. Augustine
USA-461	HSS 7	WHO CC in Quality and Safe Education in Nursing and Midwifery	Silvia Cassiani (PAHO)	Giorgio Cometto (WHO)	School of Nursing, University of North Carolina at Chapel Hill
USA-401	HSS 7	WHO CC for Medical Education and Primary Health Care	Jose Francisco Garcia Gutierrez (PAHO)	Giorgio Cometto (WHO)	National Center for Rural Health Professions, University of Illinois at Rockford

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USA-336	HSS 7	WHO CC for Innovative Health Workers Education , Service and Research Models	Jose Francisco Garcia Gutierrez (PAHO)	Giorgio Cometto (WHO)	Office of International Health, Health Sciences Center, University of New Mexico
BRA-66	HSS 7	WHO CC for Health Workforce Planning and Information	Hernan Sepulveda (PAHO)	Khassoum Diallo (WHO)	Department of Health Planning and Administration, Social Medicine Institute (ISM), University of the State of Rio de Janeiro
CAN-65	HSS 7	WHO CC on Health Workforce Planning and Research	Benjamin Puertas (PAHO)	James Campbell (WHO)	School of Nursing, Faculty of Health Professions, Dalhousie University
CAN-56	HSS 7	WHO CC on Health Science Education and Practice	Benjamin Puertas (PAHO)	Giorgio Cometto (WHO)	Faculty of Medicine and Health Sciences, University of Sherbrooke
BRA-32	HSS 7	WHO CC for Nursing Research Development	Benjamin Puertas (PAHO)	Carey McCarthy (WHO)	College of Nursing at Ribeirão Preto, University of São Paulo
OUTCOME 8: Access to health technologies					
USA-440	CDE 8	WHO CC on Digital Health and Precision Medicine for Tuberculosis	Dennis Falzon (WHO)	Pedro Avedillo (PAHO)	Center for Tuberculosis, Mayo Clinic
USA-407	IMT 8	WHO CC for Traditional Medicine	Aditi Bana (WHO)	Edgar Rojas (PAHO)	College of Pharmacy, University of Illinois at Chicago
ARG-42	HSS 8	WHO CC on Donation and Transplantation	Mauricio Beltran (PAHO)	Efstratios Chatzixiros (WHO)	Centro Único Coordinador de Ablación e Implante (INCUCAI)
BRA-53	HSS 8	WHO CC for Quality Control of Serology in Blood Banks	Mauricio Beltran (PAHO)	Junping Yu (WHO)	Superintendência de Serologia e Controle de Qualidade, Fundação Pro-Sangue-Hemocentro de São Paulo (FPS/HSP)
USA-304	IMT 8	WHO CC in Pharmaceutical Policy	Miguel Amezcua (PAHO)	Gilles Forte (WHO)	Department of Global Health, School of Public Health, Boston University

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CAN-82	IMT 8	WHO CC for Governance, Transparency and Accountability in the Pharmaceutical Sector	Deirdre Dimancesco (WHO)	Hector Castro (PAHO)	Leslie Dan Faculty of Pharmacy, University of Toronto
USA-289	IMT 8	WHO CC for Biological Standardization	Ivana Knezevic (WHO)	Maria Pombo-Castro (PAHO)	Center for Biologics Evaluation and Research (CBER), Food and Drug Administration (FDA)
CAN-94	IMT 8	WHO CC for Standardization and Evaluation of Biologicals	Ivana Knezevic (WHO)	Maria Pombo-Castro (PAHO)	Biologics and Generics Therapies Directorate, Health Products and Food Branch, Health Canada
ARG-33	IMT 8	WHO CC in Health Technology Assessment (HTA)	Alexandre Lemgruber (PAHO)	Adriana Velazquez (WHO)	Department of Health Technology Assessment and Economic Evaluation, Instituto de efectividad clínica y sanitaria (IECS)
CUB-26	IMT 8	WHO CC for the Regulation of Health Technologies	Alexandre Lemgruber (PAHO)	Adriana Velazquez (WHO)	Subdirección de Equipos Médicos, Centro para el Control Estatal de Medicamentos, Equipos y Dispositivos Médicos (CECMED)
MEX-24	IMT 8	WHO CC in Health Technology	Alexandre Lemgruber (PAHO)	Adriana Velazquez (WHO)	Centro Nacional de Excelencia Tecnológica en Salud (CENETEC)
USA-423	IMT 8	WHO CC for Health Technology Management	Alexandre Lemgruber (PAHO)	Adriana Velazquez (WHO)	Technical Services Partnership, University of Vermont
CAN-108	IMT 8 and 21	WHO CC for Knowledge Translation and Health Technology Assessment for Health Equity	Alexandre Lemgruber (PAHO)	Adriana Velazquez (WHO)	Bruyere Research Institute
OUTCOME 9: Strengthened stewardship and governance					

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USA-414	LEG 9 and 23	WHO CC for National and Global Health Law	Heidi Jimenez (PAHO)	Steven Solomon (WHO)	Georgetown University Law Center, O’Neill Institute for National and Global Health Law, Georgetown University
CHI-26	HSS 9	WHO CC on Capacity Building for Training and Research for the Health of Migrants and Refugees	Joowon Kim (WHO)	Natalia Houghton (PAHO)	Centro de Salud Global Intercultural, Instituto de Ciencias e Innovación en Medicina, Facultad de Medicina Clínica Alemana, Universidad del Desarrollo
OUTCOME 10: Increased public financing for health					
TRT-2	HSS 10	WHO CC for Health Economics and Financing	Claudia Pescetto (PAHO)	Mathew Jowett (WHO)	Health Economics Unit (HEU), Centre for Health Economics, Department of Economics, The University of the West Indies
OUTCOME 11: Strengthened financial protection					
OUTCOME 12: Risk factors for communicable diseases					
ARG-43	CDE 12	WHO CC on Antimicrobial Resistance Surveillance	Pilar Ramon Pardo (PAHO)	Carmem Pessoa (WHO)	Instituto Nacional de Enfermedades Infecciosas, Administración Nacional de Laboratorios e Institutos de Salud ('ANLIS) “Dr. Carlos Malbrán”
COR-11	CDE 12	WHO CC on Antimicrobial Resistance (AMR) Surveillance	Pilar Ramon Pardo (PAHO)	Jorge Matheu (WHO)	Centro Nacional de Referencia de Bacteriología, Insituto Costarricense de Investigación y Enseñanza en Nutrición y Salud (INCIENSA)
CAN-106	CDE 12	WHO CC on Global Governance of Antimicrobial Resistance	Anand Balachandran (WHO)	Pilar Ramon Pardo (PAHO)	Global Strategy Lab, York University

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USA-458	CDE 12	WHO CC for International Monitoring of Bacterial Resistance to Antimicrobial Agents	Carmem Pessoa (WHO)	Pilar Ramon Pardo (PAHO)	Division of Healthcare Quality Promotion at the National Center for Emerging and Zoonotic Infectious Diseases (NCEZID), Centers for Disease Control and Prevention (CDC)
USA-438	CDE 12	WHO CC for Sexually Transmitted Infections Prevention	Teodora Wi (WHO)	Ramon Mayorga Sagastume (PAHO)	Laboratory Reference and Research Branch, Division of Sexually Transmitted Disease Prevention, National Center for HIV, Viral Hepatitis, STD and TB Prevention, Centers for Disease Control and Prevention (CDC)
URU-4	CDE 12	WHO CC for Food Analysis	Margarita Corrales (PAHO)	Jorge Matheu (WHO)	Coordinación de Calidad, Laboratorio Tecnológico del Uruguay (LATU)
USA-451	CDE 12	WHO Collaborating Centre for Antimicrobial Resistance and Stewardship	Saskia Nahrgang (EURO)	Peter Beyer (WHO)	Division of Infectious Diseases and Geographic Medicine; Stanford Antimicrobial Safety & Sustainability Program, Stanford University School of Medicine
USA-464	CDE 12	WHO Collaborating Center for Reference and Research on Viral Hepatitis	Olufunmilayo Lesi (WHO)	Ruben Mayorga (PAHO)	Division of Viral Hepatitis (DVH), National Center for HIV/AIDS, Viral Hepatitis, STD and TB Prevention, Centers for Disease Control and Prevention (CDC)

OUTCOME 13: Risk factors for NCDs

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CAN-87	NMH 13	WHO CC on Nutrition Policy for Chronic Disease Prevention	Leendert Nederveen (PAHO)	Chizuru Nishida (WHO)	Department of Nutritional Sciences (DNS), University of Toronto
USA-472	NMH 13	WHO CC for Social Marketing and Social Change to Address Noncommunicable Diseases	Leendert Nederveen (PAHO)	Temo Waqanivalu (WHO)	College of Public Health, University of South Florida
CAN-98	NMH 13	WHO CC on Nutrition Changes and Development	Fabio Da Silva Gomes (PAHO)	Chizuru Nishida (WHO)	Department of Nutrition, Faculty of Medicine, Université de Montréal
BRA-54	NMH 13	WHO CC for Tobacco Control	Adriana Bacelar (PAHO)	Kerstin Schotte (WHO)	Secretaria Executiva da Comissão Nacional para Implementação da Convenção-Quadro para o Controle do Tabaco (CONICQ), Instituto Nacional de Câncer (INCA)
USA-307	NMH 13 and 21	WHO CC on Tobacco Control Surveillance and Evaluation	Diana Ceron (PAHO)	Kerstin Schotte (WHO)	Department of Epidemiology, Institute for Global Tobacco Control (IGTC), School of Public Health, Johns Hopkins University
USA-302	NMH 13 and 21	WHO CC on Tobacco Control Policy Development	Ranti Fayokun (WHO)	Adriana Bacelar (PAHO)	Center for Tobacco Control, Research and Education, University of California
USA-474	NMH 13	WHO CC for Tobacco Surveillance	Leanne Riley (WHO)	Adriana Bacelar (PAHO)	Global Tobacco Control Branch, Office on Smoking and Health (OSH), Centers for Disease Control and Prevention (CDC)
CAN-122	NMH 13	WHO CC for Addiction and Mental Health	Alexandra Fleischman (WHO)	Renato Oliveira e Sousa (PAHO)	Institute for Mental Health Policy Research, Centre for Addiction and Mental Health (CAMH)
OUTCOME 14: Malnutrition					

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OUTCOME 15: Intersectoral response to violence and injuries					
BRA-61	NMH 15	WHO CC for Research on Violence Prevention	Robert Butchart (WHO)	Britta Baer (PAHO)	Núcleo de Estudos da Violência (NEV), University of Sao Paulo
USA-210	NMH 15	WHO CC for Injury Control	Robert Butchart (WHO)	Britta Baer (PAHO)	National Center for Injury Prevention & Control (NCIPC), Centers for Disease Control and Prevention (CDC)
USA-355	NMH 15	WHO CC for Injuries, Violence and Accident Prevention	David Meddings (WHO)	Ricardo Perez (PAHO)	International Injury Research Unit, International Health Department, Bloomberg School of Public Health, Johns Hopkins University
OUTCOME 16: Intersectoral action on mental health					
OUTCOME 17: Elimination of communicable diseases					
CUB-29	CDE 17	WHO CC for Tuberculosis Elimination	Pedro Avedillo (PAHO)	Giuliano Gargioni (WHO)	Laboratorio Nacional de Referencia de TB, Lepra y Micobacterias; Departamento de Bacteriología-Micología, Centro de Investigación, Diagnóstico y Referencia (CIDR), Instituto de Medicina Tropical “Pedro Kouri” (IPK)
ARG-14	CDE 17	WHO CC for Research, Referential Diagnosis, Biological Production & Training in Chagas & Parasitic Diseases	Luis Castellanos (PAHO)	Pedro Albajar (WHO)	Instituto Nacional de Parasitología (INP), Administración Nacional de Laboratorios e Institutos de Salud (ANLIS)
ARG-35	CDE 17	WHO CC for Chagas Disease Clinic and Medical Care	Luis Castellanos (PAHO)	Pedro Albajar (WHO)	Center for Chagas Disease and Regional Pathology, Direction of Vector Borne Diseases, Ministry of Health of Santiago del Estero

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BRA-49	CDE 17	WHO CC for Training and Research in Urban Zoonoses Control	Marco Vigilato (PAHO)	Bernadette Abela-Ridder (WHO)	Centro de Controle de Zoonoses, Prefeitura de São Paulo
BRA-75	CDE 17	WHO CC in Rabies	Marco Vigilato (PAHO)	Bernadette Abela-Ridder (WHO)	Instituto Pasteur de São Paulo
CAN-37	CDE 17	WHO CC for Control, Pathogenesis and Epidemiology of Rabies in Carnivores	Bernadette Abela-Ridder (WHO)	Marco Vigilato (PAHO)	Centre of Expertise (COFE) for Rabies, Ottawa Laboratory Fallowfield (OLF), Canadian Food Inspection Agency
USA-130	CDE 17	WHO CC for Reference and Research on Rabies	Bernadette Abela-Ridder (WHO)	Marco Vigilato (PAHO)	Rabies Program, Poxvirus and Rabies Branch, Division of High Consequence Pathogens and Pathology (DHCPP), National Center for Emerging and Zoonotic Infectious Diseases (NCEZID), Centers for Disease Control and Prevention (CDC)
BRA-29	CDE 17	WHO CC for the Training of Personnel in the Control & Research of Leprosy , mainly for Portuguese-Speaking Countries	Ruben Nicholls (PAHO)	Daniel Dagne (WHO)	Instituto Lauro de Souza Lima
BRA-57	CDE 17	WHO CC for the Control, Training and Research of Leprosy	Ruben Nicholls (PAHO)	Daniel Dagne (WHO)	Fundação de Dermatologia Tropical e Venereologia “Alfredo da Matta” (FUAM)
USA-182	CDE 17	WHO CC for Dracunculiasis Eradication	Dieudonne Sankara (WHO)	Ruben Nicholls (PAHO)	Elimination and Control (Epidemiology) Team, Parasitic Disease Branch, Division of Parasitic Diseases and Malaria, Center for Global Health, Centers for Disease Control and Prevention (CDC)

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USA-443	CDE 17	WHO CC for Trachoma	Anthony Solomon (WHO)	Martha Saboya (PAHO)	Elimination and Control Laboratory Team, Parasitic Diseases Branch, Division of Parasitic Diseases and Malaria, Center for Global Health, Centers for Disease Control and Prevention (CDC)
USA-460	CDE 17	WHO CC for Integrated People-centered Eye Care	Silvio Mariotti (WHO)	Sandra Talera (PAHO)	Dana Center for Preventive Ophthalmology, Wilmer Eye Institute, Johns Hopkins University
OUTCOME 18: Social and environmental determinants					
MEX-18	DHE 18	WHO CC for Research and Training in Environmental Epidemiology	Juan Castillo (PAHO)	Sophie Gumy (WHO)	Dirección de Salud Ambiental, Instituto Nacional de Salud Pública (INSP)
USA-381	DHE 18	WHO CC for Environmental Health Sciences	Marie Noel Brune Drisse (WHO)	Juan Castillo (PAHO)	National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health (NIH)
MEX-21	DHE 18	WHO CC on Health Risk Assessment and Children's Environmental Health	Marie Noel Brune Drisse (WHO)	Francisco Sanchez Otero (PAHO)	Departamento de Toxicología Ambiental, Facultad de Medicina, Universidad Autónoma de San Luis Potosí
USA-350	DHE 18	WHO CC in Environmental Health	Marie Noel Brune Drisse (WHO)	Ana Boischio (PAHO)	Institute for Health & the Environment, University of Albany
URU-2	DHE 18	WHO CC in Human Environmental Toxicology	Marie Noel Brune Drisse (WHO)	Ana Boischio (PAHO)	Departamento de Toxicología, Facultad de Medicina, Universidad de la República
CAN-116	DHE 18	WHO CC on Children's Environmental Health	Marie Noel Brune Drisse (WHO)	Karen Polson (PAHO)	Children's Environmental Health Clinic, Department of

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					Pediatrics, University of Alberta
CAN-115	DHE 18	WHO CC on Environmental Health	Carolyn Vickers (WHO)	Daniel Buss (PAHO)	Safe Environments Directorate, Healthy Environments and Consumer Safety Branch, Health Canada
USA-403	DHE 18	WHO CC on Water and Indoor Air Quality and Food Safety	Batsiraj Majuru (WHO)	Eduardo Ortiz (PAHO)	Standards Unit, NSF International
OUTCOME 19: Health promotion and intersectoral action					
BRA-68	DHE 19	WHO CC for Healthy Cities and Health Promotion	Pilar Campos (PAHO)	Faten Ben Abdelaziz (WHO)	Centro de Estudos, Pesquisa e Documentação em Cidades Saudáveis, Faculdade de Saúde Pública, Universidade de São Paulo
COL-16	DHE 19	WHO CC for Health Promotion and Sexual and Reproductive Health	Pilar Campos (PAHO)	Faten Ben Abdelaziz (WHO)	Institute of Interdisciplinary Programs for Primary Health Care (PROINAPSA), Faculty of Health, Santander Industrial University
PUR-263	DHE 19	WHO CC for Training and Research in Health Promotion and Health Education	Pilar Campos (PAHO)	Faten Ben Abdelaziz (WHO)	Department of Social Sciences, School of Public Health, School of Public Health, Medical Sciences Campus, University of Puerto Rico
CUB-16	DHE 19	WHO CC for Health in Housing	Pilar Campos (PAHO)	Nathalie Roebbel (WHO)	Instituto Nacional de Higiene, Epidemiologia y Microbiologia (INHEM)
USA-213	DHE 19	WHO CC for Research on Healthy Settings	Pilar Campos (PAHO)	Nathalie Roebbel (WHO)	Center on Health in Housing, School of Public Health and Health Professions, State University of New York at Buffalo

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CAN-110	DHE 19	WHO CC on Health Promotion	Pilar Campos (PAHO)	Faten Ben Abdelaziz (WHO)	Centre for Global Health, Dalla Lana School of Public Health, University of Toronto
USA-463	DHE 19	WHO CC for Community Health and Development	Pilar Campos (PAHO)	Faten Ben Abdelaziz (WHO)	Center for Community Health and Development, University of Kansas
COL-27	DHE 19	WHO CC for Evaluation, Training and Advocacy in Health Promotion	Pilar Campos (PAHO)	Faten Ben Abdelaziz (WHO)	Centro para el Desarrollo y Evaluación de Políticas y Tecnología en Salud Pública (CEDETES), Escuela de Salud Pública, Facultad de Salud, Universidad del Valle
CAN-43	DHE 19	WHO CC for Occupational Health and Safety	Orielle Solar Hornazabal (PAHO)	Ivan Ivanov (WHO)	Canadian Centre for Occupational Health & Safety (CCOHS)
CAN-84	DHE 19	WHO CC in Occupational and Environmental Health	Orielle Solar Hornazabal (PAHO)	Ivan Ivanov (WHO)	The Global Health Research Program, School of Population and Public Health, University of British Columbia
CAN-96	DHE 19	WHO CC for Occupational and Environmental Health	Orielle Solar Hornazabal (PAHO)	Ivan Ivanov (WHO)	Center for Interdisciplinary Research on Wellbeing, Health, Society and Environment (CINBIOSE), University of Québec in Montreal
CHI-10	DHE 19	WHO CC for Occupational Health	Orielle Solar Hornazabal (PAHO)	Ivan Ivanov (WHO)	Department of Occupational Health, Institute of Public Health
COR-8	DHE 19	WHO CC for Occupational and Environmental Epidemiology and Toxicology	Orielle Solar Hornazabal (PAHO)	Ivan Ivanov (WHO)	Central American Institute for Studies on Toxic Substances (IRET), National University
USA-260	DHE 19	WHO CC for Occupational and Environmental Health	Orielle Solar Hornazabal (PAHO)	Ivan Ivanov (WHO)	Great Lakes Center for Occupational & Environmental Safety & Health, School of

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					Public Health, University of Illinois at Chicago
CUB-30	DHE 19	WHO CC for Occupational Health	Orielle Solar Hornazabal (PAHO)	Ivan Ivanov (WHO)	Occupational Epidemiology Department, National Institute of Workers' Health, Ministry of Health
USA-334	DHE 19	WHO CC on Occupational Health	Ivan Ivanov (WHO)	Orielle Solar Hornazabal (PAHO)	Occupational Health Program, School of Medicine, University of Maryland
COL-24	DHE 19	WHO CC for Occupational Health	Ivan Ivanov (WHO)	Orielle Solar Hornazabal (PAHO)	Occupational Health Program, El Bosque University
OUTCOME 20: Integrated information systems for health					
ARG-36	EIH 20	WHO CC for the Family of International Classifications	Katri Kontio (PAHO)	Nenad Kostanjsek (WHO)	Dirección de Estadísticas e Información de Salud (DEIS), Ministerio de Salud de la Nación
MEX-23	EIH 20	WHO CC for Family of International Classifications	Katri Kontio (PAHO)	Nenad Kostanjsek (WHO)	Classifications of Information on Health, General Direction of Health Information, Ministry of Health
CAN-112	EIH 20	WHO CC for WHO Family of International Classifications (WHOFIC)	Maaya Sugai (WHO)	Katri Kontio (PAHO)	Clinical Data Standards and Quality, Canadian Institute of Health Information (CIHI)
USA-388	EIH 20	WHO CC for Classifications, Terminologies and Standards	Nenad Kostanjsek (WHO)	Katri Kontio (PAHO)	Stanford Center for Biomedical Informatics, Stanford University
USA-148	EIH 20	WHO CC for the WHO Family of International Classifications	Nola Tomaska (WHO)	Katri Kontio (PAHO)	Classifications and Public Health Data Standards, National Center for Health Statistics (NCHS), Centers for

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					Disease Control and Prevention (CDC)
SPA-50	EIH 20	WHO CC in eHealth	Marcelo D'Agostino (PAHO)	Remesha Krishnamurthy (WHO)	Faculty of Health Sciences, Universitat Oberta de Catalunya (UOC)
OUTCOME 21: Data, information, knowledge, and evidence					
BRA-76	EIH 21	WHO CC for Global Health and South-South Collaboration	Eliane Pereira (PAHO)	Ian Roberts (WHO)	Centro de Relações Internacionais em Saúde (CRIS), Fundação Oswaldo Cruz (FIOCRUZ)
CUB-27	EIH 21	WHO CC in Knowledge Management and Scientific Communication	Eliane Pereira (PAHO)	Ian Roberts (WHO)	Centro Nacional de Información de Ciencias Médicas, Ministerio de Salud Pública
BRA-84	EIH 21	WHO CC for Health Equity Monitoring	Ahmadeza Hosseinpoor (WHO)	Oscar Mujica (PAHO)	International Center for Equity In Health, Federal University of Pelotas
CAN-72	EIH 21	WHO CC for Evidence-Informed Policy	Taghreed Adam (WHO)	Ludovic Reveiz (PAHO)	McMaster Health Forum, McMaster University
OUTCOME 22: Research, ethics, and innovation for health					
CAN-101	CDE 22	WHO CC for Tuberculosis Research	Denis Falzon (WHO)	Pedro Avedillo (PAHO)	McGill International Tuberculosis Centre, at the McGill University Health Centre, McGill University Institute
ARG-41	EIH 22	WHO CC for Bioethics	Carla Saenz (PAHO)	Andreas Reis (WHO)	Programa de Bioética; Área Ética, Derechos y Bienes Públicos Globales, Facultad Latinoamericana de Ciencias Sociales (FLACSO)
CHI-21	EIH 22	WHO CC for Bioethics	Carla Saenz (PAHO)	Andreas Reis (WHO)	Centro de Bioética

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					Facultad de Medicina Clínica Alemana, Universidad del Desarrollo
CAN-58	EIH 22	WHO CC for Bioethics	Andreas Reis (WHO)	Carla Saenz (PAHO)	Joint Centre for Bioethics, University of Toronto
USA-330	EIH 22	WHO CC in Ethics and Global Health Policy	Andreas Reis (WHO)	Carla Saenz (PAHO)	Institute for Bioethics and Health Policy, Miller School of Medicine, University of Miami
USA-457	EIH 22	WHO CC on Nutrition Research for Health	Liane Gross (WHO)	Luis Gabriel Cuervo (PAHO)	Division of Nutritional Sciences, Cornell University
OUTCOME 23: Health emergencies preparedness and risk reduction					
USA-453	PHE 23	WHO CC for Global Health Security	Maurizio Barbeschi (WHO)	Sylvain Aldighieri (PAHO)	Center for Health Security, Bloomberg School of Public Health, Johns Hopkins University
USA-359	PHE 23	WHO CC for Implementation of IHR Core Capacities	Tamara Mancero (PAHO)	Jaouad Mahjour (WHO)	Programs and Partners Team, Global Health Security Branch, Division of Global Health Protection, Center for Global Health, Centers for Disease Control and Prevention (CDC)
CHI-23	PHE 23	WHO Collaborating Centre for the International Health Regulations (IHR)	Tamara Mancero (PAHO)	Rajesh Sreedharan (WHO)	Center for Epidemiology and Health Policy, Faculty of Medicine, Universidad del Desarrollo
USA-333	PHE 23	WHO CC for Emergency Preparedness and Disaster Response	Alex Camacho (PAHO)	Rudi Coninx (WHO)	Yale New Haven Center for Emergency Preparedness and Disaster Response, Yale New Haven Health
MEX-35	PHE 23	WHO CC for Resilient Health Services	Alex Camacho (PAHO)	Jostacio Lapitan (WHO)	División de Proyectos Especiales en Salud de la

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					Dirección de Prestaciones Médicas, Instituto Mexicano del Seguro Social (IMSS)
USA-479	PHE 23	WHO CC for Digital Learning in Health Emergencies	Heini Utunen (WHO)	Ciro Ugarte (PAHO)	ECHO Institute, Health Sciences Center, University of New Mexico
USA-482	PHE 23	WHO CC for Research and Policy Guidance in Humanitarian Health Assistance	Zarul Zarul Azham (WHO)	Ciro Ugarte (PAHO)	Johns Hopkins Center for Humanitarian Health (CHH), Department of International Health, Bloomberg School of Public Health, Johns Hopkins University
CAN-120	PHE 23	WHO CC for the Prevention and Control of Noncommunicable Diseases in Humanitarian Settings and Chronic Kidney Disease	Bianca Hemmingsen (WHO)	Ciro Ugarte (PAHO)	Libin Cardiovascular Institute of Alberta, University of Calgary
OUTCOME 24: Epidemic and pandemic prevention and control					
USA-155	PHE 24	WHO CC for Viral Hemorrhagic Fevers	Pierre Formenty (WHO)	Sylvain Aldighieri (PAHO)	Viral Special Pathogens Branch (VSPB), Division of High Consequence Pathogens and Pathology (DHCPP), National Center for Emerging Zoonotic Infectious Diseases (NCEZID), Centers for Disease Control and Prevention (CDC)
MEX-31	PHE 24	WHO CC on Laboratory Biosafety	Jean-Marc Gabastou (PAHO)	Kazunobu Kojima (WHO)	Departamento de Control de Muestras y Servicios, Instituto de Diagnóstico y Referencia Epidemiológicos (InDRE), Secretaría de Salud
MEX-34	PHE 24	WHO CC on Laboratory Quality Management	Jean-Marc Gabastou (PAHO)	Sebastien Cognat (WHO)	Dirección de Servicios y Apoyo Técnico DSAT, Instituto de

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					Diagnóstico y Referencia Epidemiológicos (InDRE), Secretaria de Salud
CAN-92	PHE 24	WHO CC for Biosafety and Biosecurity	Kazunobu Kojima (WHO)	Jean-Marc Gabastou (PAHO)	Centre for Biosecurity, Health Security Infrastructure Branch, Public Health Agency of Canada (PHAC)
USA-358	PHE 24	WHO CC for Meningitis	Katya Fernandez (WHO)	Jean-Marc Gabastou (PAHO)	Division of Bacterial Diseases, Meningitis and Vaccine Preventable Diseases Branch, National Center for Immunization and Respiratory Diseases (NCIRD), Centers for Disease Control and Prevention (CDC)
MEX-32	PHE 24	WHO CC for Arboviruses	Jairo Mendez (PAHO)	Pierre Formenty (WHO)	Laboratorio de Arbovirus y Virus Hemorrágicos, Departamento de Virología, Instituto de Diagnóstico y Referencia Epidemiológicos (InDRE), Secretaria de Salud
BRA-89	PHE 24	WHO CC for Emerging and Re-emerging Arboviruses and other Emerging Zoonotic Viruses	Jairo Mendez (PAHO)	Pierre Formenty (WHO)	SAARB - Seção de Arbovirologia e Febres Hemorrágicas, Serviço Técnico-Científico, Instituto Evandro Chagas, Ministério da Saúde
USA-118	PHE 24	WHO CC for Surveillance, Epidemiology and Control of Influenza	Wenqing Zhang (WHO)	Jairo Mendez (PAHO)	Influenza Division, National Center for Immunization and Other Respiratory Diseases, Centers for Disease Control and Prevention (CDC)
USA-126	PHE 24	WHO CC for Smallpox and Other Poxvirus Infections	Rosamund Lewis (WHO)	Jairo Mendez (PAHO)	National Center for Emerging and Zoonotic Infectious

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					Diseases, Poxvirus and Rabies Branch, Division of High Consequence Pathogens and Pathology, Centers for Disease Control and Prevention (CDC)
USA-147	PHE 24	WHO CC for Studies on the Ecology of Influenza in Animals	Wenqing Zhang (WHO)	Jairo Mendez (PAHO)	Department of Virology & Molecular Biology, St. Jude Children's Research Hospital, University of Tennessee
ARG-19	PHE 24	WHO CC for Reference and Research of Arbovirus and Hemorrhagic Fevers Virosis	Pierre Formenty (WHO)	Jairo Mendez (PAHO)	Instituto Nacional de Enfermedades Virales Humanas (INEVH)
USA-354	PHE 24	WHO CC for Arthropod-Borne Viruses Reference and Research	Laurence Cibrelus (WHO)	Jairo Mendez (PAHO)	National Center for Emerging and Zoonotic Infectious Diseases, Division of Vector-Borne Diseases, Arboviral Diseases Branch, Centers for Disease Control and Prevention (CDC)
USA-417	PHE 24	WHO CC for Surveillance, Epidemiology and Control of Salmonella and other Foodborne Diseases	Maria Almiron (PAHO)	Jorge Matheu (WHO)	Division of Foodborne, Waterborne and Environmental Diseases, National Center for Emerging Zoonotic and Infectious Diseases, Centers for Disease Control and Prevention (CDC)
MEX-33	PHE 24	WHO CC on Antimicrobial Resistance in Foodborne and Environmental Bacteria	Pilar Ramon Pardo (PAHO)	Jorge Matheu (WHO)	Dirección General de Inocuidad Agroalimentaria Acuícola y Pesquera, Servicio Nacional de Sanidad. Inocuidad y Calidad Agroalimentaria (SENASICA)
OUTCOME 25: Health Emergencies Detection and Response					

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OUTCOME 26: Cross-Cutting Themes: Equity, Ethnicity, Gender, and Human Rights					
OUTCOME 27: Leadership and governance					
CUB-31	CMU 27	WHO CC for on Communication Strategies and Social Network Content	Ary Silva (PAHO)	Alison Brunier (WHO)	Facultad de Comunicación, Universidad de la Habana
OUTCOME 28: Management and administration					

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