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## Curriculum Vitae

Edgar Denova Gutiérrez

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## Education

- Bachelor's degree, 2001, Nutrition, Autonomous Mexico State University, Toluca, Mexico.
- Master of Science, 2006, Population Nutrition, School of Public Health, Mexican National Institute of Public Health, Cuernavaca, Mexico.
- Doctor of Science, 2014, Population Nutrition, School of Public Health, Mexican National Institute of Public Health, Cuernavaca, Mexico.

## Academic Positions

- Head of Healthy environment and chronic disease prevention, Mexico City, March 2019- to date.
- Professor, National Autonomous University of Mexico, Mexico City, 2016- to date.
- Profesor, Iberoamerican University, Mexico City, 2018 – 2022.
- Researcher, Epidemiology Research Unit, Mexican Children's Hospital, Mexico City, February 2016-2019
- Deputy Director of Research in Epidemiology, Mexican National Institute of Geriatrics, Mexico City, September 2015- January 2016
- Professor of Nutrition and Public Health, Health Sciences Institute, Autonomous University of Hidalgo State, Pachuca, August 2014 – August 2015
- Professor, Research Center for Nutrition and Health, Mexican National Institute of Public Health, Cuernavaca, September 2011 – August 2012
- Associate Researcher, Unit for Epidemiological Research and Health Services, Mexican Social Security Institute, Cuernavaca, September 2008 – July 2014
- Researcher, Center for Research in Medical Sciences, Autonomous Mexico State University, Toluca, September 2007 – July 2014
- Professor of Nutrition and Nutritional Epidemiology, Department of Nutrition, Autonomous Mexico State University, Toluca, September 2005 – July 2014

## Research Interest

- Cardiovascular disease
- Type 2 diabetes
- Dietary assessment
- Obesity
- Body composition
- Older adults
- Double burden of malnutrition
- Cancer

## Courses Taught

- Fundamentals of Nutrition (undergraduate)
- Nutrition in the life cycle (undergraduate)
- Pediatric Nutrition (undergraduate)
- Public Health (undergraduate)
- Biostatistics (undergraduate)
- Assessment of Nutritional Status (undergraduate, dietary and anthropometric assessment)
- Epidemiology (undergraduate)
- Nutritional Epidemiology (graduate)
- Epidemiology (graduate)
- Diet, physical activity and chronic diseases (graduate)

#### Awards

- Special mention for the Master degree thesis, School of Public Health, Mexican National Institute of Public Health, Cuernavaca, Mexico, 2006
- Pan-American Nutrition, Food Science and Technology Awards, Mexico City, Mexico, 2008
- Nutrition Research Award, Nestlé-FUNSAUD, Mexico City, 2009
- Rosenkranz Award, Mexico City, 2018

#### Theses supervised

##### Major Professor

##### Undergraduate

- Prevalence of risk factors associated with the development of osteopenia and osteoporosis in premenopausal women, Toluca, Mexico, 2008
  - o Ruben Dorio
- Relationship between dietary patterns and insulin resistance in children and adolescents aged 7 to 18 years in the Health Workers Cohort Study, Cuernavaca, Mexico, 2009
  - o Angeles Romero
- Association between the consumption of a diet with a high glycemic index and glycemic load with the development of non-alcoholic fatty liver disease in adults of in the Health Workers Cohort Study, Cuernavaca, Mexico, 2009
  - o Berenice Rivera
- Added sugars and risk of cardiovascular disease in adults of the Health Workers

Cohort Study, Toluca, Mexico, 2014

- o Rosa Espinoza
- Dietary patterns and risk of gastric cancer: a systematic review, Toluca, Mexico, 2015
  - o Alejandra Cordoba
- Association between physical activity and eating habits and the risk of overweight/obesity in Mexican and Chilean adolescents, Toluca, Mexico, 2009
  - o Israel Holguin
- Risk factors associated with non-alcoholic fatty liver disease in children and adolescents in the Health Workers Cohort Study, 2010
  - o Paloma Muñoz
- Risk factors associated with osteopenia and osteoporosis in premenopausal women of the Health Workers Cohort Study, Toluca, Mexico, 2013
  - o Ana Becerril

Master's

- Dietary intake assessment of older adults: analysis of the Mexican National Health and Nutrition Survey 2012, Mexico City, Mexico, 2016
  - o Mayra Martínez
  - o
- Association between the vulnerability index and the presence of diabetes mellitus in subjects of the diabetes mellitus survey of Mexico City, Mexico City, Mexico
  - o Sheyla Hernández
- Serum vitamin D levels and insulin resistance in Mexican children and adolescents, Mexico City, Mexico
  - o Natalia Tamborrel
- Association between dietary patterns and non-alcoholic fatty liver disease in Mexican adult population, Cuernavaca, Mexico, 2011
  - o Rafael Vázquez
- Association between plasma concentrations of leptin and adiponectin and the risk of preeclampsia, Toluca, Mexico, 2012
  - o Verónica García
- Association between magnesium intake and metabolic syndrome in Mexican adults, Cuernavaca, Mexico, 2013

- o Angeles Romero

#### Doctorate

- Effect of (-)- epicatechin on body composition in obese patients aged 10-16 years in Mexico City: A randomized clinical trial, Mexico City, Mexico
  - o Francisco Varela
- Vitamin D and risk of cardiovascular disease in subjects of the Health Workers Cohort Study, Mexico City, Mexico, 2017
  - o Paloma Muñoz
- Lifestyle quality indices and their association with breast cancer and immunophenotypes in women from northern Mexico
  - o Brianda Armenta
- Associations of chronic stress and lifestyle factors with changes in indicators of metabolic syndrome in Mexican women  
Teresa García
- Nutrition Services Implementation Evaluation for pregnant women at the first level of care in Mexico
  - o Selene Pacheco

#### Publications

1. Rivera-Paredes B, Morales M, Velázquez-Cruz R, Salmerón J, Jiménez-Corona A, Balderas-Arteaga N, González-Villalpando C, Tamayo J, Lajous M, Catzin-Kuhlmann A, Nelson R, Correa-Rotter R, Denova-Gutiérrez E. Association between soft drinks intake and low glomerular filtration rate in Mexican adults: Results from RenMex. *Clin Nutr.* 2024 Apr;43(4):1062-1069.
2. Meneses-León J, Hernández-Salazar S, Robles-Rivera K, Tamayo-Ortiz M, Muciño-Sandoval K, Rivas-Ruiz R, Denova-Gutiérrez E, Tamayo-Orozco JA, Velázquez-Cruz R, Salmerón J, Rivera-Paredes B. Association Between Changes in Sleep, Nap Duration and Bone Mineral Density in Mexican Adults. *Calcif Tissue Int.* 2024 Jul;115(1):31-40.
3. Flores-García MK, Pérez-Saldivar ML, Denova-Gutiérrez E, Rodríguez-Villalobos LR, Dosta-Herrera JJ, Mondragón-García JA, Castañeda-Echevarría A, López-Caballero MG, Martínez-Silva SI, Rivera-González J, Hernández-Pineda NA, Flores-Botello J, Pérez-Gómez JA, Rodríguez-Vázquez MA, Torres-Valle D, Olvera-Durán JÁ, Martínez-Ríos A, García-Cortes LR, Almeida-Hernández C, Flores-Lujano J, Núñez-Enriquez JC, Mendez VCB, Mata-Rocha M, Rosas-Vargas H, Duarte-Rodríguez DA, Jiménez-Morales S, Mejía-Aranguré JM, López-Carrillo L. Sociodemographic and Lifestyle Characteristics Associated with Maternal Dietary Patterns in Mexico. *Nutrients.* 2024 May 11;16(10):1451.
4. Rivera-Paredes B, Argoty-Pantoja AD, Velázquez-Cruz R, Salmerón J, Jiménez-Corona A, González-Villalpando C, Lajous M, Tamayo J, Catzin-Kuhlmann A, Nelson R, Correa-Rotter R,

- Denova-Gutiérrez E. Dietary inflammatory index and lower glomerular filtration rate in Mexican adults. *Nutr Res.* 2024 May 23;127:53-62.
5. Balderas-Arteaga N, Mendez K, Gonzalez-Rocha A, Pacheco-Miranda S, Bonvecchio A, Denova-Gutiérrez E. Healthy lifestyle interventions within the curriculum in school-age children: systematic review and meta-analysis. *Health Promot Int.* 2024 Apr 1;39(2):daae020.
  6. GBD 2019 MSK in Adolescents Collaborators. Electronic address: dongze\_wu@163.com; GBD 2019 MSK in Adolescents Collaborators. Global pattern, trend, and cross-country inequality of early musculoskeletal disorders from 1990 to 2019, with projection from 2020 to 2050. *Med.* 2024 May 30:S2666-6340(24)00179-X.
  7. GBD 2021 Demographics Collaborators. Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950-2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021. *Lancet.* 2024 May 18;403(10440):1989-2056.
  8. GBD 2021 Forecasting Collaborators. Burden of disease scenarios for 204 countries and territories, 2022-2050: a forecasting analysis for the Global Burden of Disease Study 2021. *Lancet.* 2024 May 18;403(10440):2204-2256.
  9. GBD 2021 Causes of Death Collaborators. Global burden of 288 causes of death and life expectancy decomposition in 204 countries and territories and 811 subnational locations, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021. *Lancet.* 2024 May 18;403(10440):2100-2132.
  10. GBD 2021 Risk Factors Collaborators. Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021. *Lancet.* 2024 May 18;403(10440):2162-2203.
  11. GBD 2021 Fertility and Forecasting Collaborators. Global fertility in 204 countries and territories, 1950-2021, with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021. *Lancet.* 2024 May 18;403(10440):2057-2099.
  12. GBD 2021 Diseases and Injuries Collaborators. Global incidence, prevalence, years lived with disability (YLDs), disability-adjusted life-years (DALYs), and healthy life expectancy (HALE) for 371 diseases and injuries in 204 countries and territories and 811 subnational locations, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021. *Lancet.* 2024 May 18;403(10440):2133-2161.
  13. González-Rocha A, Colli VA, Denova-Gutiérrez E. Risk Prediction Score for Chronic Kidney Disease in Healthy Adults and Adults With Type 2 Diabetes: Systematic Review. *Prev Chronic Dis* 2023;20:E30. doi: 10.5888/pcd20.220380.
  14. Rivera-Paredes B, Hidalgo-Bravo A, León-Reyes G, Barajas-Olmos F, Martínez-Hernández A, Orozco L, Denova-Gutiérrez E, Salmerón J, Velázquez-Cruz R. The role of single nucleotide variant rs3819817 of the Histidine Ammonia-Lyase gene and 25-Hydroxyvitamin D on bone mineral density, adiposity markers, and skin pigmentation, in Mexican population. *J Endocrinol Invest* 2023;46(9):1911-1921. doi: 10.1007/s40618-023-02051-1.
  15. Muñoz-Aguirre P, Denova-Gutiérrez E, Pérez-Saldivar ML, Espinoza-Hernández LE, Dorantes-Acosta EM, Torres-Nava JR, Solís-Labastida KA, Paredes-Aguilera R, Velázquez-Aviña MM, Espinosa-Elizondo RM, Miranda-Madrado MR, González-Ávila AI, Rodríguez-Villalobos LR, Dosta-Herrera JJ, Mondragón-García JA, Castañeda-Echevarría A, López-Caballero MG, Martínez-Silva

- SI, Rivera-González J, Hernández-Pineda NA, Flores-Botello J, Pérez-Gómez JA, Rodríguez-Vázquez MA, Torres-Valle D, Olvera-Durán JÁ, Martínez-Ríos A, García-Cortés LR, Almeida-Hernández C, Flores-Lujano J, Núñez-Enriquez JC, Mata-Rocha M, Rosas-Vargas H, Duarte-Rodríguez DA, Jiménez-Morales S, Mejía-Arangur JM, López-Carrillo L. Maternal dietary patterns and acute leukemia in infants: results from a case control study in Mexico. *Front Nutr* 2023;10:1278255. doi: 10.3389/fnut.2023.1278255.
16. Silva-Uribe M, Máñez-López F, Denova-Gutiérrez E, Muñoz-Guerrero B, Omaña-Guzmán I, Messiah SE, Ruíz-Arroyo A, Lozano-González E, Villanueva-Ortega E, Muñoz-Aguirre P, Garibay-Nieto N. Validation of the Childhood Family Mealtime Questionnaire in Mexican Adolescents with Obesity and Their Caregivers. *Nutrients* 2023;15(23):4937. doi: 10.3390/nu15234937.
  17. Arellano-Gómez LP, Chávez-Palencia C, Ramos-García CO, Orozco-Hernández RP, Rodríguez-Preciado SI, Ochoa-González H, Balderas-Arteaga N, González-Rocha A, Denova-Gutiérrez E. Participatory intervention to improve nutrition and physical activity of school-age children in Mexico. *Contemp Clin Trials* 2023;127:107138. doi: 10.1016/j.cct.2023.107138.
  18. Vargas-Meza J, Nilson EAF, Nieto C, Khandpur N, Denova-Gutiérrez E, Valero-Morales I, Barquera S, Campos-Nonato I. Modelling the impact of sodium intake on cardiovascular disease mortality in Mexico. *BMC Public Health* 2023;23(1):983. doi: 10.1186/s12889-023-15827-0.
  19. Vargas-Meza J, Gonzalez-Rocha A, Campos-Nonato I, Nilson EAF, Basto-Abreu A, Barquera S, Denova-Gutiérrez E. Effective and Scalable Interventions to Reduce Sodium Intake: a Systematic Review and Meta-Analysis. *Curr Nutr Rep* 2023;12(3):486-494. doi: 10.1007/s13668-023-00477-w.
  20. Aguilar M, Muñoz-Aguirre P, Cortés-Valencia A, Flores-Torres MH, Catzin-Kuhlmann A, López-Ridaura R, Lajous M, Rodriguez BL, Cantú-Brito C, Denova-Gutiérrez E. Sun Exposure and Intima-Media Thickness in the Mexican Teachers' Cohort Study. *J Womens Health* 2023;32(3):366-374. doi: 10.1089/jwh.2022.0135.
  21. Denova-Gutiérrez E, Global Burden of Disease 2021 Health Financing Collaborator Network. Global investments in pandemic preparedness and COVID-19: development assistance and domestic spending on health between 1990 and 2026. *Lancet Glob Health* 2023;11(3):e385-e413. doi: 10.1016/S2214-109X(23)00007-4.
  22. Martínez-Duncker R D, Urzúa-González AR, Aguilera-Mora LF, Laínez-Zelaya JS, Álvarez de la Cadena-Sillas J, Celaya-Cota MJ, González-Cruz EH, Delgado E, Campos-Nonato I, Denova-Gutiérrez E, Cruz-Valdez A, Cossio-Aranda JE, Guerra-López A, Enciso-Muñoz JM, Sánchez-Arreola LD, Magaña-Serrano JA, Díaz-Aguilera MÁ, Gómez-Álvarez E, Oseguera-Moguel J, Barquera S, Sifuentes-Osornio J, Lazcano Ponce EC. Espacios cardioprottegidos en México: acciones para prevenir la muerte súbita cardiaca. Una postura de profesionales de la salud. *Salud Publica Mex* 2023;65(4, jul-ago):407-415.
  23. Denova-Gutiérrez E, González-Rocha A, Méndez-Sánchez L, Araiza-Nava B, Balderas N, López G, Tolentino-Mayo L, Jauregui A, Hernández L, Unikel C, Bonvecchio A, Shamah T, Barquera S, Rivera JA. Overview of Systematic Reviews of Health Interventions for the Prevention and Treatment of Overweight and Obesity in Children. *Nutrients* 2023;15(3):773. doi: 10.3390/nu15030773.
  24. Denova-Gutiérrez E, GBD 2021 Osteoarthritis Collaborators. Global, regional, and national burden of osteoarthritis, 1990-2020 and projections to 2050: a systematic analysis for the Global

- Burden of Disease Study 2021. *Lancet Rheumatol* 2023;5(9):e508-e522. doi: 10.1016/S2665-9913(23)00163-7.
25. Armenta-Guirado BI, González-Rocha A, Mérida-Ortega Á, López-Carrillo L, Denova-Gutiérrez E. Lifestyle Quality Indices and Female Breast Cancer Risk: A Systematic Review and Meta-Analysis. *Adv Nutr* 2023;14(4):685-709. doi: 10.1016/j.advnut.2023.04.007.
  26. Denova-Gutiérrez E, GBD 2021 Low Back Pain Collaborators. Global, regional, and national burden of low back pain, 1990-2020, its attributable risk factors, and projections to 2050: a systematic analysis of the Global Burden of Disease Study 2021. *Lancet Rheumatol* 2023;5(6):e316-e329. doi: 10.1016/S2665-9913(23)00098-X.
  27. Mensah GA, Fuster V, Murray CJL, Roth GA, Denova-Gutiérrez E; Global Burden of Cardiovascular Diseases and Risks Collaborators. Global Burden of Cardiovascular Diseases and Risks, 1990-2022. *J Am Coll Cardiol* 2023;82(25):2350-2473. doi: 10.1016/j.jacc.2023.11.007.
  28. Denova-Gutiérrez E, GBD 2021 Diabetes Collaborators. Global, regional, and national burden of diabetes from 1990 to 2021, with projections of prevalence to 2050: a systematic analysis for the Global Burden of Disease Study 2021. *Lancet* 2023;402(10397):203-234. doi: 10.1016/S0140-6736(23)01301-6.
  29. Monge A, Stern D, Cortés-Valencia A, Catzín-Kuhlmann A, Lajous M, Denova-Gutiérrez E. Avocado consumption is associated with a reduction in hypertension incidence in Mexican women. *Br J Nutr*. 2023;129(11):1976-1983. doi: 10.1017/S0007114522002690.
  30. Moreno-Loaeza L, Escamilla-Núñez MC, Sevilla-González MDR, García-De La Torre GS, Castro-Porras LV, Denova-Gutiérrez E, Vargas-Vázquez A, Gomez Velasco DV, Rojas-Martinez R, Almeda-Valdes P. Diagnostic performance of questionnaires to identify individuals with impaired fasting glucose in Mexican adult population. *Diabetes Res Clin Pract* 2023;195:110186. doi: 10.1016/j.diabres.2022.110186.
  31. Ríos V, Denova-Gutiérrez E, Barquera S. Association between living in municipalities with high crowding conditions and poverty and mortality from COVID-19 in Mexico. *PLoS One* 2022;17(2):e0264137. doi: 10.1371/journal.pone.0264137.
  32. Martínez-Hernández BM, Rosas-Carrasco O, López-Teros M, González-Rocha A, Muñoz-Aguirre P, Palazuelos-González R, Ortíz-Rodríguez A, Luna-López A, Denova-Gutiérrez E. Association between physical activity and physical and functional performance in non-institutionalized Mexican older adults: a cohort study. *BMC Geriatr* 2022;22(1):388. doi: 10.1186/s12877-022-03083-7.
  33. Denova-Gutiérrez E, Méndez-Sánchez L, Araiza-Nava B, González-Rocha A, Shamah T, Bonvehio A, Barquera S, Rivera J. Overview of systematic reviews of health interventions that aim to prevent and treat overweight and obesity among children. *Syst Rev* 2022;11(1):168. doi: 10.1186/s13643-022-02047-7.
  34. Medina C, Monge A, Denova-Gutiérrez E, López-Ridaura R, Barquera S, Romieu I, Lajous M. Validity and reliability of the International Physical Activity Questionnaire (IPAQ) long-form in a subsample of female Mexican teachers. *Salud Publica Mex* 2022;64(1):57-65. doi: 10.21149/12889.
  35. Flores-García MK, Mérida-Ortega Á, Denova-Gutiérrez E, Rothenberg SJ, López-Carrillo L. "Western" and "prudent" dietary patterns are associated with breast cancer among Mexican



pre- and postmenopausal women. *Nutr Res* 2022;105:138-146. doi: 10.1016/j.nutres.2022.06.007.

36. Almiray-Soto AL, Denova-Gutiérrez E, Lopez-Gonzalez D, Medeiros M, Clark P. Muscle Strength Reference Values and Correlation with Appendicular Muscle Mass in Mexican Children and Adolescents. *Calcif Tissue Int* 2022;111(6):597-610. doi: 10.1007/s00223-022-01025-4.
37. Colli VA, González-Rocha A, Canales D, Hernández-Alcáraz C, Pedroza A, Pérez-Chan M, Barquera S, Denova-Gutierrez E. Chronic kidney disease risk prediction scores assessment and development in Mexican adult population. *Front Med* 2022;9:903090. doi: 10.3389/fmed.2022.903090.
38. Rivera-Paredes B, Quezada-Sánchez AD, Robles-Rivera K, Hidalgo-Bravo A, Denova-Gutiérrez E, León-Reyes G, Flores YN, Salmerón J, Velázquez-Cruz R. Dietary inflammatory index and bone mineral density in Mexican population. *Osteoporos Int* 2022;33(9):1969-1979. doi: 10.1007/s00198-022-06434-7.
39. González-Rocha A, Mendez-Sanchez L, Ortiz-Rodríguez MA, Denova-Gutiérrez E. Effect Of Exercise on Muscle Mass, Fat Mass, Bone Mass, Muscular Strength and Physical Performance in Community Dwelling Older Adults: Systematic Review and Meta-Analysis. *Aging Dis* 2022;13(5):1421-1435. doi: 10.14336/AD.2022.0215.
40. Cortés-Valencia A, Ortiz-Rodríguez S, Balderas-Arteaga N, Catzin-Kuhlmann A, Correa-Rotter R, González-Villalpando C, Jiménez-Corona A, López-Ridaura R, Mejia M, Salmerón J, Tamayo J, Lajous M, Denova Gutiérrez E. The Mexican Consortium of Epidemiological Studies for the Prevention, Diagnosis, and Treatment of Chronic Kidney Disease: a review of collaborating studies. *Salud Publica Mex.* 2022;64(4, jul-ago):434-442. doi: 10.21149/13101.
41. Ortiz-Rodríguez MA, Bautista-Ortiz LF, Villa AR, Antúnez-Bautista PK, Aldaz-Rodríguez MV, Estrada-Luna D, Denova-Gutiérrez E, Camacho-Díaz BH, Martínez-Salazar MF. Prevalence of Metabolic Syndrome Among Mexican Adults. *Metab Syndr Relat Disord* 2022;20(5):264-272. doi: 10.1089/met.2021.0115.
42. Denova-Gutiérrez E, GBD 2019 Diabetes in the Americas Collaborators. Burden of diabetes and hyperglycaemia in adults in the Americas, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet Diabetes Endocrinol.* 2022 Sep;10(9):655-667. doi: 10.1016/S2213-8587(22)00186-3.
43. Contreras D, González-Rocha A, Clark P, Barquera S, Denova-Gutiérrez E. Diagnostic accuracy of blood biomarkers and non-invasive scores for the diagnosis of NAFLD and NASH: Systematic review and meta-analysis. *Ann Hepatol* 2023;28(1):100873. doi: 10.1016/j.aohep.2022.100873.
44. Barquera S, Véjar-Rentería LS, Aguilar-Salinas C, Garibay-Nieto N, García-García E, Bovecchio A, Perichart O, Torres-Tamayo M, Esquivias-Zavala H, Villalpando-Carrión S, García-Méndez RC, Apolinar-Jiménez E, Kaufer-Horwitz M, Martínez-Montañez OG, Fajardo Niquete I, Aguirre Crespo A, Gómez-Álvarez E, Hernández-Jiménez SC, Denova-Gutiérrez E, Batis C, Elías-López D, Palos-Lucio AG, Vásquez Garibay EM, Romero-Velarde E, Ortiz-Rodríguez MA, Almendra-Pegueros R, Contreras A, Nieto C, Hernández-Cordero S, Munguía A, Rojas-Russell M, Sánchez-Escobedo S, Delgado-Amézquita E, Aranda-González I, Cruz-Casarrubias C, Campos-Nonato I, García-Espino F, Martínez-Vázquez S, Arellano-Gómez LP, Caballero-Cantú I, Hunot Alexandre C, Valero-Morales I, González-González L, Ríos-Cortázar V, Medina-García C, Argumedo G, Calleja Enríquez CR, Robles Macías E, Nava-González EJ, Lara-Riegos J, Sánchez-Plascencia AK,

- Hernández-Fernández M, Rodríguez Nuñez JL, Rangel-Quillo S, Cancino-Marentes ME, Hernández-Viana MJ, Saldivar-Frausto M, Alvarez-Ramirez M, Sandoval-Salazar C, Silva-Tinoco RO, Moreno-Villanueva M, Villarreal-Arce ME, Barriguete JA, White M, Jauregui A, Tolentino-Mayo L, López-Ridaura R, Rivera-Dommarco J. Volviéndonos mejores: necesidad de acción inmediata ante el reto de la obesidad. Una postura de profesionales de la salud. *Salud Publica Mex.* 2022 Feb 28;64(2):225-229.
45. Denova-Gutiérrez E, GBD 2019 Adolescent Young Adult Cancer Collaborators. The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet Oncol* 2022;23(1):27-52. doi: 10.1016/S1470-2045(21)00581-7.
  46. Denova-Gutiérrez E, GBD 2019 Diabetes Mortality Collaborators. Diabetes mortality and trends before 25 years of age: an analysis of the Global Burden of Disease Study 2019. *Lancet Diabetes Endocrinol* 2022;10(3):177-192. doi: 10.1016/S2213-8587(21)00349-1.
  47. Denova-Gutiérrez E, GBD 2019 Ageing Collaborators. Global, regional, and national burden of diseases and injuries for adults 70 years and older: systematic analysis for the Global Burden of Disease 2019 Study. *BMJ* 2022;376:e068208. doi: 10.1136/bmj-2021-068208.
  48. Denova-Gutiérrez E, Local Burden of Disease Household Air Pollution Collaborators. Mapping development and health effects of cooking with solid fuels in low-income and middle-income countries, 2000-18: a geospatial modelling study. *Lancet Glob Health* 2022;10(10):e1395-e1411. doi: 10.1016/S2214-109X(22)00332-1.
  49. Denova-Gutiérrez E, GBD 2019 Diabetes and Air Pollution Collaborators. Estimates, trends, and drivers of the global burden of type 2 diabetes attributable to PM<sub>2.5</sub> air pollution, 1990-2019: an analysis of data from the Global Burden of Disease Study 2019. *Lancet Planet Health* 2022;6(7):e586-e600. doi: 10.1016/S2542-5196(22)00122-X.
  50. Denova-Gutiérrez E, GBD 2019 Cancer Risk Factors Collaborators. The global burden of cancer attributable to risk factors, 2010-19: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet* 2022;400(10352):563-591. doi: 10.1016/S0140-6736(22)01438-6.
  51. Global Burden of Disease 2019 Cancer Collaboration, Denova-Gutiérrez E; Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life Years for 29 Cancer Groups From 2010 to 2019: A Systematic Analysis for the Global Burden of Disease Study 2019. *JAMA Oncol* 2022;8(3):420-444. doi: 10.1001/jamaoncol.2021.6987.
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#### Research Projects

- ESMAESTRAS
- Health Workers Cohort Study
- Frailty, Dynapenia, and Sarcopenia Cohort Study
- Healthy living intervention
- PRUDENTE intervention
- Multidimensional Health intervention
- Cities Changin Diabetes
- Kidney Disease Prevention Cohort Consortium (RENMEC, by its Spanish acronym)

