

**PRODUCTS RELATED TO THE  
CENTRAL AMERICAN SURVEYS ON WORKING CONDITIONS AND HEALTH (1<sup>st</sup> 2011, 2<sup>nd</sup> 2018)**

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***Abbreviations***

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**Program:** MPH = Master in Public Health; MS = Master in Science; DrPH = Doctor in Public Health; PhD = Philosophy Doctor.

**Institutions:** SWCOEH/UTSPH = Southwest Center for Occupational and Environmental Health / The University of Texas Health Science Center at Houston School of Public Health; UNA = Universidad Nacional, Costa Rica; SALTRA = Health, Work and Environment Program in Central America; CiSAL/UPF = Center for Research in Occupational Health/ Universitat Pompeu Fabra; UNAH = Universidad Nacional Autónoma de Honduras.

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**PUBLICATIONS**

**Peer-reviewed**

2021

1. Silva-Peñaherrera M\*, Delclos GL, Gimeno Ruiz de Porras D, Rojas Garbanzo M, Lopez-Ruiz M, Merino-Salazar P, Benavides FG. Monitoring self-perceived occupational health inequities in Central America, 2011 and 2018. *AJPH*. 2021. (In Press)

2017

2. Gimeno Ruiz de Porras D, Rojas Garbanzo M, Aragón A, Carmenate Milián A, Benavides FG. The effect of informal employment on the relationship between psychosocial work risk factors and musculoskeletal pain in Central American workers. *Occup Environ Med*. 2017; 74(9):645-651. PMID: 28442543.
3. Merino-Salazar P, Artazcoz L, Cornelio C, Iñiguez MJ, Rojas M, Martínez-Iñigo D, Vives A, Funcasta L, Benavides FG. Work and health in Latin America: results from the working conditions surveys of Colombia, Argentina, Chile, Central America and Uruguay. *Occup Environ Med*. 2017; 74(6):432-439. PMID: 28093503.
4. Lopez-Ruiz M, Benavides FG, Vives A, Artazcoz L. Informal employment, unpaid care work, and health status in Spanish-speaking Central American countries: a gender-based approach. *Int Public Health*. 2017; 62(2):209-218. PMID: 27572494.

2016

5. Benavides FG, Merino-Salazar P, Cornelio C, Assunção AA, Agudelo-Suárez AA, Amable M, Artazcoz L, Astete J, Barraza D, Berhó F, Carmenate Milián L, Delclòs G, Funcasta L, Gerke J, Gimeno D, Itatí-Iñiguez MJ, de Paula Lima E, Martínez-Iñigo D, de Medeiros AM, Orta L, Pinilla J, Rodrigo F, Rojas M, Sabastizagal I, Vallebuona C, Vermeylen G, Villalobos GH, Vives [Red de

Expertos en Encuestas sobre Condiciones de Trabajo, Empleo y Salud]. Cuestionario básico y criterios metodológicos para las Encuestas sobre Condiciones de Trabajo, Empleo y Salud en América Latina y el Caribe [Basic questionnaire and methodological criteria for Surveys on Working Conditions, Employment, and Health in Latin America and the Caribbean]. *Cad Saude Publica*. 2016; 32(9):e00210715. PMID: 27759799.

2015

6. Rojas M, Gimeno D, Vargas-Prada S, Benavides FG. Dolor musculoesquelético en trabajadores de América Central: resultados de la I Encuesta Centroamericana de Condiciones de Trabajo y Salud [Musculoskeletal pain in Central American workers: results of the first survey on working conditions and health in Central America]. *Rev Panam Salud Publica*. 2015; 38(2):120-8. PMID: 26581052.
7. Merino-Salazar P, Artazcoz L, Campos-Serna J, Gimeno D, Benavides BG. National working conditions surveys in Latin America: comparison of methodological characteristics. *Int J Occup Environ Health*. 2015; 21(3):266-74. PMID: 26079314.
8. López-Ruiz M, Artazcoz L, Martínez JM, Rojas M, Benavides FG. Informal employment and health status in Central America. *BMC Public Health*. 2015; 15:698. PMID: 26206153.

2014

9. Benavides FG, Wesseling C, Delclos GL, Felknor SA, Pinilla J, Rodrigo F; on behalf of the research team of the first Central American Survey of Working Conditions and Health [Felt E, Santos C, Gimeno D, Rojas Marianela, Briceno F, Monge P, Meléndez C, Carmenate L, López I, Aragón A, Vinda P, Piedra N]. Working conditions and health in Central America: a survey of 12,024 workers in six countries. *Occup Environ Med*. 2014; 71(7):459-65. PMID: 24652231.

*Related:*

- a. Wegman DH, Hogstedt C. Editorial: If it's not counted it didn't happen! *Occup Environ Med*. 2014; 71(7):457-8. PMID: 24816516.
- b. Jensen OC. Comment: working conditions and health in Central America: a survey of 12 024 workers in six countries. by Benavides FG et al. *Occup Environ Med*. 2015 ;72(3):236. PMID: 25431434.
- c. Benavides FG, Wesseling C, Delclos GL, Felknor S, Pinilla J, Rodrigo F. Usefulness of the working conditions and health survey in central America in prevention. Author response to comments by Jensen. *Occup Environ Med*. 2015 ;72(3):236-7. PMID: 25431435.

In Preparation/Under review

10. Pérez Giménez N, Rojas Garbanzo, López Ruiz M. Condiciones de trabajo en el empleo (in)formal centroamericano: desigualdades sociales por género, clase social y regímenes de bienestar [Working conditions in Central American (in)formal employment: social inequalities by gender, social class and welfare regimes].
11. Rojas Garbanzo M, Benavides FG, Agudelo-Suárez AA, Gimeno Ruiz de Porras D. Identificación de las dimensiones sobre factores de riesgos psicosociales laborales incluidos en la I Encuesta

Centroamericana sobre Condiciones de Trabajo y Salud [Identifying the psychosocial work risks factors dimensions included in the I Central American Survey on Working Conditions and Health].

12. Benavides FG, Silva M, Vives A, Lopez-Ruiz M, Rojas M, Itatí Iñiguez MJ, Merino-Salazar P, Ahonen EQ, Funcasta L, Artazcoz L, Gimeno Ruiz de Porras D, en nombre de la Red Experta en Encuestas de Condiciones de Trabajo, Empleo y Salud [on behalf of the Expert Network on Working Conditions, Employment and Health Surveys]. Salud Ocupacional Global: algunas iniciativas desde América Latina y el Caribe [Global Occupational Health: some initiatives from Latin America and the Caribbean].
13. Figueroa-Solis E, Gimeno Ruiz de Porras D, Rojas Garbanzo M, Whitehead LW, Delclos GL. Prevalence and geographic distribution of self-reported chronic kidney disease and potential risk factors in Central America.

### Journal Letters / Editorials / Comments/Other

2019

1. Gimeno Ruiz de Porras D. La II Encuesta Centroamericana de Condiciones de Trabajo y Salud [The Second Central American Survey of Working Conditions and Health]. Arch Prev Riesgos Labor 2019; 22 (3): 118-120. PMID: 31306570.

### Monographs / technical reports

2021

1. Gimeno Ruiz de Porras D, Rojas Garbanzo M, Benavides FG. Metodología de las Encuestas Sobre Condiciones de Trabajo, Empleo y Salud [Methodology of Surveys of Working and Employment Conditions and Health]. In: Ruiz-Frutos C, Delclós J, Ronda E, García AM, Benavides FG (eds). *Salud Laboral. Conceptos y Técnicas para la Prevención de Riesgos Laborales (5ª edición) [Occupational Health. Concepts and Techniques for the Prevention of Occupational Risks (5<sup>th</sup> edition)].* (Coming 2021).

2020

2. Barraza D, Robles A, Ulloa E, Sánchez N, Silva-Peñaherrera M, Benavides FG; con la colaboración Escuela de Ingeniería en Seguridad Laboral e Higiene Ambiental, Instituto Tecnológico de Costa Rica. Perfil nacional de condiciones de empleo, trabajo y salud de las personas trabajadoras. Costa Rica (2015-2019). Heredia, Costa Rica: IRET-UNA, 2020.
3. Gimeno Ruiz de Porras D, Delclos GL. 2020. Survey Report of Working Conditions and Health in Central America (DOL Grant # IL-29677-16-75-K-48). U.S. Department of Labor (USDOL) Bureau of International Labor Affairs (ILAB). Report prepared by Drs. Gimeno Ruiz de Porras and George Delclos, with the collaboration of Kelly Oyer-Peterson, BSN, MPH, for the USDOL ILAB and the USDOL Chief Evaluation Office by Southwest Center for Occupational and Environmental Health

(SWCOEH) at The University of Texas Health Science Center at Houston School of Public Health. Houston and San Antonio, TX, 22 December 2020. Available at: <https://sph.uth.edu/research/centers/swcoeh/central-america>. (In process).

2019

4. Mariya Aleksynska M, Berg J, Foden D, Johnston H, Parent-Thirion A, Vanderleyden J, on behalf of Eurofound and International Labour Organization. [Gimeno Ruiz de Porras D and Rojas Garbanzo M as the two Contributors for the Central American Survey]. Working conditions in a global perspective. Publications Office of the European Union, Luxembourg, and International Labour Organization, Geneva, 2019. ISBN Print: 9789221329336; Web PDF: 9789221329343. Available at: [https://www.ilo.org/global/publications/books/WCMS\\_696174/lang--en/index.htm](https://www.ilo.org/global/publications/books/WCMS_696174/lang--en/index.htm)

2018

5. Benavides FG, López-Ruiz M, Rojas M, Silva-Peña Herrera M, Chavarría J, Cornelio C, Merino-Salazar P, Carmenate L, Amable M, Delclos GL, Gimeno D, Rodríguez-Guzmán J, Agudelo-Suárez AA, Artazcoz L, Funcasta L, Itatí Iñíguez MJ, Astete J, Ávila Assunção A, Barraza D, Bernal D, Orta L, de Paula Lima E, Mesquita de Medeiros A, Pinilla J Sabastizagal I, Vallebuona C, Villalobos GH, Vives A. Brechas de desigualdad en la salud de la población trabajadora en América Latina y el Caribe [Health inequalities in the working population of Latin American and the Caribbean]. Heredia, Costa Rica: SALTRA/IRET-UNA, 2018. ISBN 978-9968-924-36-8.

2016

6. Gimeno D, Delclos GL. Work-related violence research project. Overview and Survey Module and Focus Group Findings. Final End of Project Report. Purchase Order DOL-OPS- 15-P-00239. U.S. Department of Labor/Bureau of International Labor Affairs with the Chief Evaluation Office: 2016. Report prepared for the U.S. Department of Labor Bureau Bureau of International Labor Affairs, the Office of Economic Labor Research and the Chief Evaluation Office by The University of Texas Health Science Center at Houston School of Public Health. Houston and San Antonio, TX, 12 December 2016. Available at: [www.dol.gov/asp/evaluation/completed-studies/Work-Related-Violence-Research-Project-Final-Report.pdf](http://www.dol.gov/asp/evaluation/completed-studies/Work-Related-Violence-Research-Project-Final-Report.pdf).

2015

7. Merino-Salazar P, Benavides FG, on behalf of the Network of Experts on Working Conditions, Employment and Health Surveys. Edited by: Astete Cornejo JM. Informe: Proceso del diseño del cuestionario básico propuesto para las Encuestas sobre Condiciones de Trabajo, Empleo y Salud en América Latina y el Caribe [Report: Design process for a proposed basic questionnaire for use in Surveys of Working Conditions, Employment and Health in Central America and the Caribbean]. Lima, Perú: Sociedad Peruana de Salud Ocupacional, 2015. Depósito Legal en la Biblioteca Nacional del Perú N° 2015-14644. Available at: [https://portal.upf.edu/documents/3192961/3207869/2015\\_11\\_27\\_informeECTS\\_caribe.pdf](https://portal.upf.edu/documents/3192961/3207869/2015_11_27_informeECTS_caribe.pdf).
8. Eurofound (by Merino-Salazar P, Benavides FG, Rojas M, Delclos GL). Working conditions in Central America. Luxembourg: Publications Office of the European Union, 2015. Available at:

[https://www.eurofound.europa.eu/sites/default/files/ef\\_publication/field\\_ef\\_document/ef1529en.pdf](https://www.eurofound.europa.eu/sites/default/files/ef_publication/field_ef_document/ef1529en.pdf).

2014

9. Carmenate L, Rojas M, Barraza D, Aragón A. Perfil de Salud Ocupacional de América Central [Occupational Health Profile of Central America]. Serie Salud, Trabajo y Ambiente No. 22. Programa, SALTRA-IRET, 2014. Informes técnicos IRET, no. 22. ISBN 978-9968-924-21-4. Available at:  
<http://repositorio.una.ac.cr/bitstream/handle/11056/10239/PERFILweb.pdf?sequence=4>
10. Peraza S, Torres E. Perfil de Salud Ocupacional El Salvador [Occupational Health Profile of El Salvador]. Serie Salud, Trabajo y Ambiente No.19. Programa SALTRA, UNA-IRET, 2014. ISBN 978-9968-924-19-1. Available at:  
<http://www.repositorio.una.ac.cr/bitstream/handle/11056/8662/SALVADOR%20WEB.pdf?sequence=1>

2013

11. Vinda P, Acosta H, Alpírez M, Ureña K, Gordón C. Perfil de Salud Ocupacional Panamá [Occupational Health Profile of Panama]. Serie Salud y Ambiente No16. Programa SALTRA, UNA-IRET, 2013. Available at:  
[http://www.repositorio.una.ac.cr/bitstream/handle/11056/8631/Perfil%20Salud%20Ocupacional\\_Panam%C3%A1.pdf?sequence=1](http://www.repositorio.una.ac.cr/bitstream/handle/11056/8631/Perfil%20Salud%20Ocupacional_Panam%C3%A1.pdf?sequence=1)
12. Aragón A, López I. Perfil de Salud Ocupacional Nicaragua [Occupational Health Profile of Nicaragua]. Serie Salud, Trabajo y Ambiente No.15. Programa SA SALTRA, UNA-IRET, 2013. ISBN 978-9968924-12-2. Available at:  
[http://www.saltra.una.ac.cr/index.php?option=com\\_content&view=article&id=41&Itemid=155](http://www.saltra.una.ac.cr/index.php?option=com_content&view=article&id=41&Itemid=155)
13. Robles A, Arias E. Perfil de Salud Ocupacional Costa Rica [Occupational Health Profile of Costa Rica]. Serie Salud, Trabajo y Ambiente No. 14 Programa SALTRA, IRET-UNA, 2013. Available at:  
<http://www.repositorio.una.ac.cr/bitstream/handle/11056/8588/seriesaludytrabajo14.pdf?sequence=1>
14. Guzmán C, Hernández M, Castillo M. Perfil de Salud Ocupacional Guatemala [Occupational Health Profile of Guatemala]. Serie Salud, Trabajo y Ambiente No. 12. Programa SALTRA, IRET-UNA, 2013. Available at:  
<http://www.repositorio.una.ac.cr/bitstream/handle/11056/8586/seriesaludytrabajo12.pdf?sequence=1>
15. Carmenate L, Bonilla C. Perfil de Salud Ocupacional Honduras [Occupational Health Profile of Honduras]. Serie Salud, Trabajo y Ambiente No. 11. Programa SALTRA, IRET-UNA, 2013. Available at:  
<http://www.repositorio.una.ac.cr/bitstream/handle/11056/8585/seriesaludytrabajo11.pdf?sequence=1>
16. Benavides FG, Wesseling I, Delclós G, Felknor F, Pinilla J, Rodrigo F. Encuesta Centroamericana

Sobre Condiciones de Trabajo y Salud (I ECCTS) - Informe general (Estudio cuantitativo) [First Central American Survey on Working Conditions and Health - General Report (Quantitative study)].

Available at:

[http://www.saltra.una.ac.cr/images/SALTRA/Documentacion/Informes/Informe\\_I\\_ECCTS\\_cuantitativo.pdf](http://www.saltra.una.ac.cr/images/SALTRA/Documentacion/Informes/Informe_I_ECCTS_cuantitativo.pdf).

2012

17. Benavides FG, Wesseling I, Delclós G, Felknor F, Pinilla J, Rodrigo F. I Encuesta Centroamericana Sobre Condiciones de Trabajo y Salud (I ECCTS) - Informe general (Estudio cuantitativo desde la perspectiva de género) [First Central American Survey on Working Conditions and Health - General Report (Quantitative study from a gender perspective)]. Available at [http://www.oiss.org/estrategia/encuestas/lib/iecct/ESTUDIO\\_CUANTITATIVO\\_ECCTSSALTRA9.pdf](http://www.oiss.org/estrategia/encuestas/lib/iecct/ESTUDIO_CUANTITATIVO_ECCTSSALTRA9.pdf).
18. Delclós G, Piedra N, Wesseling I, Rodrigo F, Felknor S, Pinilla J, Benavides FG. I Encuesta Centroamericana Sobre Condiciones de Trabajo y Salud (I ECCTS) - Informe general (Estudio cualitativo basado en el análisis de grupos focales) [First Central American Survey on Working Conditions and Health - General Report (Qualitative study based on focus group analysis)]. Available at: [http://www.oiss.org/estrategia/encuestas/lib/iecct/ESTUDIO\\_CUALITATIVO\\_ECCTSSALTRA9.pdf](http://www.oiss.org/estrategia/encuestas/lib/iecct/ESTUDIO_CUALITATIVO_ECCTSSALTRA9.pdf).

## PRESENTATIONS

### Conferences

2019

1. Figueroa-Solis E, Delclos GL, Gimeno Ruiz de Porras D. Pilot Test of the DEGREE Protocol, CKDu Module, and Point-of-care Device Measurements in Outdoor Hispanic Workers. **Conference:** Third International Workshop on Chronic Kidney Diseases of Uncertain/Non-Traditional Etiology in Mesoamerica and Other Regions. **Organization:** The National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK). **Place:** San José, Costa Rica. **Date:** 20-22 March 2019. **Type:** Poster. **Available at:** [https://www.niehs.nih.gov/news/events/pastmtg/2019/ckd\\_2019/index.cfm](https://www.niehs.nih.gov/news/events/pastmtg/2019/ckd_2019/index.cfm).
2. Gimeno Ruiz de Porras D, Delclos GL, Figueroa-Solis E, Rojas M; Self-reported CKDu and associated risk factors in Central America. Preliminary results from the Second Central American Survey of Working Conditions and Health. **Conference:** Third International Workshop on Chronic Kidney Diseases of Uncertain/Non-Traditional Etiology in Mesoamerica and Other Regions. **Organization:** The National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK). **Place:** San José, Costa Rica. **Date:** 20-22 March 2019. **Type:** Poster. **Available at:** [https://www.niehs.nih.gov/news/events/pastmtg/2019/ckd\\_2019/index.cfm](https://www.niehs.nih.gov/news/events/pastmtg/2019/ckd_2019/index.cfm).

2018

3. Figueroa-Solis E, Delclos GL, Gimeno Ruiz de Porras D. Pilot test of the DEGREE protocol, CKDu

module, and point-of-care device measurements in outdoor Hispanic workers. **Conference:** Chronic Kidney Diseases in Agricultural Communities Conference. **Organization:** The National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK). **Place:** Bethesda, MD. **Date:** 25-26 June 2018. **Type:** Poster.

2017

4. Rojas Garbanzo M, Benavides FG, Aragón A, Carmenate Milián L, Gimeno Ruiz de Porras D. Asociación entre Factores de Riesgo Psicosocial y Dolor Musculoesquelético en Trabajadores Informales y Formales en Centroamérica. **Conference:** XXXV Reunión Científica de la Sociedad Española de Epidemiología (SEE) y XXI Congresso da Associação Portuguesa de Epidemiologia (APE). **Organization:** SEE and APE. **Place:** Barcelona, Spain. **Date:** 6-8 September 2017. **Type:** Poster.

2016

5. Merino-Salazar P, Artazcoz L, Cornelio C, Itatí Iñiguez MJ, Rojas M, Martínez-Iñigo D, Vives A, Funcasta L, Benavides FG. Work and health in Latin America based on working conditions surveys of Colombia, Argentina, Chile, Central America and Uruguay. **Conference:** 25th EPICOH Conference: Occupational Health, Think Globally, Act Locally. **Organization:** Scientific Committee on Epidemiology in Occupational Health. **Place:** Barcelona, Catalonia (Spain). **Date:** September 4-7, 2016. **Type:** Oral communication.
6. Rojas Garbanzo M, Benavides FG, **Gimeno D.** Psychosocial risk exposure and musculoskeletal pain among formal and informal workers in Central America. **Conference:** 25th EPICOH Conference: Occupational Health, Think Globally, Act Locally. **Organization:** Scientific Committee on Epidemiology in Occupational Health. **Place:** Barcelona, Catalonia (Spain). **Date:** September 4-7, 2016. **Type:** Poster.
7. Merino-Salazar P, Benavides FG, Gimeno D on behalf of the Network of Experts on Working Conditions, Employment and Health Surveys. Core questionnaire and methodological criteria for Working, Employment and Health Conditions Surveys in Latin America and the Caribbean. **Conference:** Second International Conference on Survey Methods in Multinational, Multiregional and Multicultural Contexts (3MC 2016). **Organization:** International Workshop on Comparative Survey Design and Implementation (CSDI). **Place:** Chicago, IL, USA. **Date:** May 25-29, 2016. **Type:** Oral communication.
8. WORKSHOP on: Employment, Working Conditions and Health Surveys (EWCS) experiences in America and Europe: From surveys to health and safety indicators and public policies at work. **Conference:** 25th EPICOH Conference: Occupational Health, Think Globally, Act Locally. **Organization:** Scientific Committee on Epidemiology in Occupational Health. **Place:** Barcelona, Catalonia (Spain). **Date:** September 4-7, 2016. **Type:** Oral communications

Workshop Chair: Cecilia Cornelio (Superintendency of Labor Risks, Argentina):

- a. Emilia Molinero (Generalitat de Catalunya): Questionnaires for Labour Risk Prevention, Good Practices, Information systems: how to ensure high-quality information, strict guidelines that take into account the most up-to-date survey research methodology.

- b. Marianela Rojas (SALTRA/UNA): The EWCS as a tool for policy actors, the Central American experience, SALTRA.The First Central American Working Conditions and Health Survey. Indicators report on occupational and environmental health (PISOA) of Central America.
- c. Greet Vermeulen (Eurofound): European Working Conditions Surveys: from development of the survey to policy lessons: methodology - stakeholder consultation process and quality control-, policy context, key findings and policy pointers.

2016

- 9. Delclos GL Condiciones de trabajo, empleo y salud en América Latina: el uso de una herramienta costo-efectiva para su análisis.[Working conditions, employment and health in Latin America: a cost-effective tool for analysis]. **Conference:** XVI International Conference on Occupational Risk Prevention (ORP). **Organization:** Fundación Internacional ORP. **Place:** Cartagena de Indias, Colombia. **Date:** 5-7 October 2016. **Type:** Oral communication.
- 10. Delclos GL. A worldwide perspective on working conditions and health. **Conference:** 25th International Epidemiology in Occupational Health (EPICOH) Conference. **Organization:** Scientific Committee on Epidemiology in Occupational Health of the International Commission on Occupational Health. **Place:** Barcelona, Spain. **Date:** 4-7 September 2016. **Type:** Keynote address.
- 11. López-Ruiz M, Benavides FG, Wesseling I, Delclos GL, Pinilla J, Rodrigo F. Working conditions and health in Central America. **Conference:** EPICOH 23rd Conference on Epidemiology in Occupational Health: Improving the impact. **Organization:** Scientific Committee on Epidemiology in Occupational Health. **Place:** Utrecht, The Netherlands. **Date:** 18-21 June 2013. **Type:** Oral communication.

2014

- 12. Delclos GL. Condiciones de trabajo y salud en Centroamérica (I ECCTS) [Working conditions and health in Central America]. **Conference:** VII Congreso Internacional de la Federación Centroamericana y del Caribe de Salud Ocupacional. **Organization:** Sociedad Colombiana de Medicina del Trabajo. **Place:** Barranquilla, Colombia. **Date:** 8-10 October 2014. **Type:** Oral communication.

### Invited lectures/seminars

2020

- 1. Condiciones de Seguridad e Higiene en el trabajo en América Central.II Encuesta centroamericana de condiciones de trabajo y salud.[Safety and Health conditions at Work in Central America.II Central American survey of working conditions and health]. **Presenter:** David Gimeno (SWCOEH/UTSPH). **Venue:** Seminarios Web del Tecnológico de Costa Rica (TEC) en celebración de los 40 años de la Escuela de Ingeniería en Seguridad Laboral e Higiene Ambiental y los 20 años del Laboratorio de Higiene Analítica. **Date:** 20 November 2020.



2. Encuestas de Trabajo, Empleo y Salud [Surveys of Working and Employment Conditions, and Health]. Presenter for the Occupational Health Webinar in "Monitoring of Occupational Health Inequities in Central America, 2011 and 2018." **Presenter:** David Gimeno (SWCOEH/UTSPH). **Venue:** Webinar de Salud Laboral, Centro de Investigación en Salud Laboral (CISAL)-IMIM-Universitat Pompeu Fabra and Servicio de Salud Laboral de PSMar. **Date:** 19 October 2020.
3. Mental Health & Employee Resilience (*Panelists*). **Presenters:** George L. Delclos and David Gimeno (SWCOEH/UTSPH). **Venue:** UTHealth School of Public Health SWCOEH & Houston Area Safety Council (HASC) Reopen Texas: Return to Work the Right Way – Webinar Series. **Date:** 17 June 2020.
4. Central American National Survey of Working Conditions and Health. **Presenter:** David Gimeno (SWCOEH/UTSPH). **Venue:** Department of Environmental and Occupational Health Sciences, University of Washington. **Date:** 2 April 2020.
5. Género y Salud Mental en el Mundo del Trabajo - II Encuesta Centroamericana de Condiciones de Trabajo y Salud [Gender and Mental Health in the World of Work - II Central American Survey of Working Conditions and Health]. **Presenter:** David Gimeno (SWCOEH/UTSPH). **Venue:** Universidad Nacional, Heredia, Costa Rica. **Date:** 27 February 2020.
6. Violencia Relacionada con el Trabajo en América Central [Work-related Violence in Central America]. **Presenter:** David Gimeno (SWCOEH/UTSPH). **Venue:** Universidad de Costa Rica, San José, Costa Rica. **Date:** 26 February 2020.

2019

7. Condiciones de trabajo, empleo y salud en América Latina: el uso de una herramienta costo-efectiva para su análisis.[Working conditions, employment and health in Latin America: a cost-effective tool for analysis]. **Presenter:** George L. Delclos (SWCOEH/UTSPH). **Venue:** Foro de Investigación de la Red de Posgrados en Salud en el Trabajo. Unidad Politécnica para el Desarrollo y la Competitividad Empresarial. Mexico City, Mexico. **Date:** 27 June 2019.
8. II Encuesta Centroamericana de Condiciones de Trabajo y Salud - Resultados preliminares [Second Central American Survey on Working Conditions and Health – Preliminary Results]. **Presenter:** David Gimeno (SWCOEH/UTSPH). **Venue:** VI Encuentro de la Red ECoTes. Montevideo, Uruguay. **Date:** 27 June 2019.
9. Gimeno Ruiz de Porras, D. Manuales de Campo y/o Encuestador/a - Ejes comunes [Fieldwork Manuals and Surveyor Manual - Common Axes]. **Presenter:** David Gimeno (SWCOEH/UTSPH) and Lorena Funcasta (Universidad of Uruguay). **Venue:** VI Encuentro de la Red ECoTes. Montevideo, Uruguay. **Date:** 26 June 2019.

2018

10. Research on Surveys of Working Conditions, Employment and Health. **Presenter:** David Gimeno (SWCOEH/UTSPH). **Venue:** Department of Environmental and Occupational Health, Colorado School of Public Health, University of Colorado, Aurora, Colorado. **Date:** 20 September 2018.

11. Workshop: Is it possible to do a national survey of working and health conditions in Grenada? **Presenter:** David Gimeno and George L. Delclos, SWCOEH/UTSPH. **Venue:** Department of Public Health and Preventive Medicine, School of Medicine, St. George's University, Grenada, West Indies. **Date:** 3-4 July 2018.

2017

12. Surveys of working conditions and health: uses and limitations. **Presenter:** George Delclos (SWCOEH/UTSPH). **Venue:** 2017 Houston Texas Association of Occupational Health Nurses meeting, Houston, Texas. **Date:** 9 May 2017.
13. Adult working life exposures affecting health and role functioning (includes presenting on Working Conditions in Central America). **Presenter:** David Gimeno (SWCOEH/UTSPH). **Venue:** National Public Health Week. Organized by the San Antonio Student Association, School of Public Health in San Antonio, The University of Texas Health Science Center at Houston. **Date:** 5 April 2017.

2016

14. Adult life exposures affecting health and role functioning (includes presenting on Working Conditions in Central America). **Presenter:** David Gimeno (SWCOEH/UTSPH). **Venue:** Department of Environmental and Occupational Health, Colorado School of Public Health, University of Colorado, Aurora, Colorado. **Date:** 24 October 2016.
15. Musculoskeletal Pain in Central American Workers - I Central American Survey of Working Conditions and Health. **Presenter:** David Gimeno (SWCOEH/UTSPH). **Venue:** Department of Epidemiology, College of Public Health, University of Arkansas for Medical Sciences, Little Rock, Arkansas. **Date:** 7 October 2016.
16. Condiciones de trabajo, empleo y salud en América Latina: el uso de una herramienta costo-efectiva para su análisis [Working conditions, employment and health in Latin America: a cost-effective tool for analysis]. **Presenter:** George Delclos (SWCOEH/UTSPH). **Venue:** XVI Congreso ORP. Cartagena de Indias, Colombia. **Date:** 5-7 October 2016.
17. Keynote address: A worldwide perspective on working conditions and health. **Presenter:** George Delclos (SWCOEH/UTSPH). **Venue:** 25th International Epidemiology in Occupational Health (EPICOH) Conference, Barcelona, Spain. **Date:** 4-7 September 2016.

2015

18. Working conditions and health in Latin America. **Presenter:** George Delclos (SWCOEH/UTSPH). **Venue:** Impact Conference 2015: Connecting Houston to the World through Global Health. Houston Global Health Collaborative. Rice University, Houston, TX. **Date:** 22 March 2015.

2014

19. I Encuesta Centroamericana sobre Condiciones de Trabajo y Salud [Second Central American Survey on Working Conditions and Health]. **Presenter:** Marianela Rojas Garbanzo

(UNA/SALTRA). **Venue:** I Encuentro de la Red ECoTes. Buenos Aires, Argentina. **Date:** 13-14 November 2014.

20. A worldwide perspective on working conditions and health: The UT experience with National surveys of working conditions and health in Latin America. **Presenter:** George Delclos and David Gimeno (SWCOEH/UTSPH). **Venue:** Environmental and Occupational Health Research Seminar, Division of Environmental and Occupational Health Sciences, The University of Texas Health Science Center at Houston, School of Public Health, Texas, USA. **Date:** 14 October 2014.
21. Condiciones de trabajo y salud en Centroamérica (I ECCTS) [Working conditions and health in Central America]. **Presenter:** George Delclos (SWCOEH/UTSPH). **Venue:** VII Congreso Internacional de la Federación Centroamericana y del Caribe de Salud Ocupacional. Barranquilla, Colombia. **Date:** 8-10 October 2014.
22. (In)formal employment and health inequalities by gender in Central America. **Presenter:** Maria Lopez (CiSAL/UPF). **Venue:** Environmental and Occupational Health Research Seminar, Division of Environmental and Occupational Health Sciences, The University of Texas Health Science Center at Houston, School of Public Health, Texas, USA. **Date:** 28 March 2014.
23. Encuesta Centroamericana de Condiciones de Trabajo y Salud [Central American Survey on Working Conditions and Health]. **Presenter:** Fernando G. Benavides (CiSAL/UPF). **Venue:** Universidad de Puerto Rico, Puerto Rico. **Date:** 25 March 2014.

2012

24. Central America Survey of Working Conditions: Preliminary Results. **Presenter:** Fernando G. Benavides (CiSAL/UPF). **Venue:** Environmental and Occupational Health Research Seminar Series, Division of Environmental and Occupational Health Sciences, The University of Texas Health Science Center at Houston, School of Public Health, Texas, USA. **Date:** 23 March 2012.

## Institutional presentations

2017

1. Exposición a riesgos psicosociales en la población trabajadora de Centro América. [Exposure to psychosocial risks in the working population of Central America]. **Presenter:** Marianela Rojas Garbanzo (UNA/SALTRA). **Venue:** Comisión Técnica Nacional de Factores Psicosociales, Ministerio de Trabajo y Ministerio de Salud de Costa Rica, San José, Costa Rica. **Date:** August 2017

2014

2. Condiciones de trabajo y salud en Centroamérica (I ECCTS) [Working conditions and health in Central America (I ECCTS)]. **Presenter:** Marianela Rojas Garbanzo (UNA/SALTRA). **Venue:** Consejo de Salud y Seguridad de Guatemala [Guatemalan Occupational Health and Safety Council], Ciudad de Guatemala. **Date:** April 2014.

3. Condiciones de trabajo y salud en Centroamérica (I ECCTS) [Working conditions and health in Central America (I ECCTS)]. **Presenter:** Marianela Rojas Garbanzo (UNA/SALTRA). **Venue:** Consejo de Salud y Seguridad de Nicaragua [*Nicaraguan Occupational Health and Safety Council*], Managua, Nicaragua. **Date:** September 2014.
4. Condiciones de trabajo y salud en Centroamérica (I ECCTS) [Working conditions and health in Central America (I ECCTS)]. **Presenter:** Marianela Rojas Garbanzo (UNA/SALTRA). **Venue:** Consejo de Salud y Seguridad de Costa Rica [*Costa Rican Occupational Health and Safety Council*], San José, Costa Rica. **Date:** March 2014.
5. Condiciones de trabajo y salud en Centroamérica (I ECCTS) [Working conditions and health in Central America (I ECCTS)]. **Presenter:** Marianela Rojas Garbanzo (UNA/SALTRA). **Venue:** Instituto Nacional de Seguros [*National Institute of Insurances*], San José, Costa Rica. **Date:** October 2014.
6. Condiciones de trabajo y salud en Centroamérica (I ECCTS) [Working conditions and health in Central America (I ECCTS)]. **Presenter:** Lino Carmentate (UNAH/SALTRA). **Venue:** Consejo de Salud y Seguridad de Honduras [*Honduran Occupational Health and Safety Council*], Tegucigalpa, Honduras. **Date:** August 2014.
7. Condiciones de trabajo y salud en Centroamérica (I ECCTS) [Working conditions and health in Central America (I ECCTS)]. **Presenter:** Marianela Rojas Garbanzo (UNA/SALTRA). **Venue:** Consejo de Ministros de Trabajo y Seguridad Social de Centroamérica y República Dominicana [*Council of Ministers of Labor and Social Security of Central America and the Dominican Republic*], Santo Domingo, República Dominicana. **Date:** February 2014.

2013

8. Condiciones de trabajo y salud en Centroamérica (I ECCTS) [Working conditions and health in Central America (I ECCTS)]. **Presenter:** Marianela Rojas Garbanzo (UNA/SALTRA). **Venue:** Consejo de Ministros de Salud de Centroamérica y República Dominicana [*Council of Ministers of Health of Central America and the Dominican Republic*], San José, Costa Rica. **Date:** June 2013.

## STUDENT COMMITTEES

### The University of Texas School of Public Health

#### *Master's students*

1. Bulsara, Shaun. **Degree:** Master in Science in Biostatistics. **Thesis title:** Exploring phenotypes of informal and formal work. **Thesis committee:** José Miguel Yamal (UTSPH), David Gimeno and George Delclos (SWCOEH/UTSPH). [On going]

#### *Doctoral students*

1. Figueroa, Erika. **Degree:** DrPH in Environmental and Occupational Health Sciences. **Dissertation title:** Creatinine levels in the Working Population of Central America. **Dissertation Committee:**

David Gimeno and George Delclos (SWCOEH/UTSPH). [Graduated 2020]

2. Turner, Caryn. **Degree:** DrPH in Environmental and Occupational Health Sciences. **Dissertation title:** Work-Related Violence in Informal and Formal Employment and Gender Differences in Central America. **Dissertation Committee:** David Gimeno and George Delclos (SWCOEH/UTSPH). [Graduated 2018]

## Universitat Pompeu Fabra, Barcelona, Catalonia (Spain)

### *Master's students*

1. Aboho Angue, Basilio Micha. **Degree:** Master of Public Health. **Thesis title:** Precariedad laboral y salud en América Central [Job precariousness and health in Central America]. **Thesis committee:** Fernando G. Benavides (CiSAL-UPF), David Gimeno and George L. Delclos (SWCOEH/UTSPH) [Graduated 2020]
2. Forero, Venus Catherine. **Degree:** Master of Public Health. **Thesis title:** Distribución y determinantes de la violencia relacionada con el trabajo en seis países de Centroamérica [*Distribution and determinants of work-related violence in six countries of Central America*]. **Thesis committee:** Fernando G. Benavides (CiSAL-UPF), George Delclos (SWCOEH/UTSPH) [Graduated 2019]
3. Pérez Giménez, Nuria. **Degree:** Master of Public Health. **Thesis title:** Condiciones de trabajo en el empleo (in)formal centroamericano: desigualdades sociales por género, clase social y regímenes de bienestar [*Working conditions in Central American (in) formal employment: social inequalities by gender, social class and welfare regimes*]. **Thesis committee:** Marianela Rojas (UNA), María López Ruiz (CiSAL-UPF). [Graduated 2018]
4. Villegas González, Nicole. **Degree:** Master of Public Health. **Thesis title:** Validación de la exposición a temperaturas extremas y humedad según la Primera Encuesta Centroamericana de Condiciones de Trabajo y Salud en Costa Rica [*Validation of exposure to extreme temperatures and humidity according to the First Central American Survey of Labor and Health Conditions in Costa Rica*]. **Thesis committee:** George Delclos (SWCOEH/UTSPH), Marianela Rojas (UNA), Laura Serra (CiSAL-UPF). [Graduated 2017]
5. Rodríguez Loureiro, Lucía. **Degree:** Master of Public Health. **Thesis title:** Empleo informal, género y desigualdades en salud: una comparación de regímenes de bienestar en Centroamérica [*Informal employment, gender and health inequalities: a comparison of welfare regimes in Central America*]. **Thesis committee:** María López (CiSAL-UPF), Alejandra Vives (Universidad Católica de Chile). [Graduated 2017]
6. Rojas Garbanzo, Marianela. **Degree:** Master in Occupational Health. **Thesis title:** Relación entre los riesgos ergonómicos y los trastornos musculoesqueléticos en una muestra de trabajadores centroamericanos [*Relationship between ergonomic risks and musculoskeletal disorders in a sample of Central American workers*]. **Thesis committee:** Fernando G. Benavides (CiSAL/UPF). [Graduated 2012]

## Doctoral students

1. Silva, Michael. **Degree:** PhD in Public Health. **Dissertation title:** Desigualdades en salud ocupacional en América Latina y el Caribe [*Inequalities in occupational health in Latin America and the Caribbean*]. **Dissertation Committee:** Fernando Benavides (CiSAL/UPF). [On going]
2. Rojas Garbanzo, Marianela. **Degree:** PhD in Public Health. **Dissertation title:** Factores psicosociales laborales y trastornos musculoesqueléticos en Centroamérica. I Encuesta Centroamericana de Condiciones de Trabajo y Salud [*Psychosocial work factors and musculoskeletal disorders in Central America. I Central American Survey on Work Conditions and Health*]. **Dissertation Committee:** Fernando Benavides (CiSAL/UPF) and David Gimeno (SWCOEH/UTSPH). [Graduated 2016]  
**Position after graduation:** Regional Program Coordinator of the Health, Work and Environment Program in Central America (SALTRA), Faculty of Earth and Sea Sciences, Regional Institute for Studies on Toxic Substances, Universidad Nacional, Heredia, Costa Rica.
3. López Ruiz, María. **Degree:** PhD in Public Health. **Dissertation title:** Empleo informal y salud en Centroamérica. Una aproximación desde las desigualdades de género [*Informal employment and health in Centralamerica. An approach from gender inequalities*]. **Dissertation Committee:** Fernando Benavides (CiSAL/UPF), Lucia Artazcoz (Agència de Salut Pública de Barcelona). [Graduated 2016]  
**Position after graduation:** Postdoc researcher, CiSAL/UPF, Barcelona, Spain.
4. Merino Salazar, Pamela. **Degree:** PhD in Public Health. **Dissertation title:** Trabajo y salud en América Latina y el Caribe a través de las encuestas de condiciones de trabajo, empleo y salud [*Work and health in Latin America and the Caribbean on the surveys of conditions of work, employment and health*]. **Dissertation Committee:** Fernando Benavides (CiSAL/UPF), Lucia Artazcoz (Agència de Salut Pública de Barcelona). [Graduated 2016]  
**Position after graduation:** Assistant professor, International University SEK Ecuador, Quito, Ecuador.

## GRANTS / Contracts

### USA

- 2016-2020 **Project title:** *Working Conditions and Health in Central America*. **Type:** Cooperative Agreement (IL-29677-16-75-K-48). **Funding agency:** U.S. Department of Labor (USDOL) Bureau of International Labor Affairs (ILAB).
- 2017-2018 **Project title:** *Pilot testing of the Disadvantaged Populations eGFR Epidemiology Study protocol, point-of care field measurements and module on risk factors for Chronic Kidney Disease of unknown origin in Houston based Hispanic day laborers*. **Funding agency:** CDC/NIOSH via the NIOSH-Education and Research Center (NIOSH-ERC) at the Southwest Center for Occupational and Environmental Health at The University of Texas Health Science Center at Houston School of Public Health. **Type:** Pilot Project. **Role:** David Gimeno and George Delclos as Co-Mentors (Principal Investigator: Erika Figueroa, DrPH EOHS Student, UTSPH).

- 2015-2016 **Project title:** *Working Conditions in Central America: Work-related violence. Purchase Order DOL-OPS-15-P-00239.* **Activity code:** Contract. **Funding agency:** U.S. Department of Labor (USDOL) Bureau of International Labor Affairs (ILAB) – Office of Trade and Labor Affairs (OTLA) FY2015 Contract Research Program: Working Conditions Survey in Central America.
- 2011 **Project title:** *Collaboration Agreement between the Ibero-American Social Security Organization (OISS), Universidad Nacional (UNA), Costa Rica, and Universitat Pompeu Fabra, Spain, for the technical direction and control of the field work of the first Central American Survey on Working Conditions and Health (ECCTS).* **Activity code:** Cooperative Agreement. **Funding agency:** OISS.

## IMPACT ON OTHER NATIONAL WORKING CONDITIONS AND HEALTH SURVEYS

### *Current and Planning efforts*

Pilot of the National Survey of Working, Employment and Health Conditions in Puerto Rico. **Leading Institute/Agency:** University of Puerto Rico Medical Science Campus. **Main local contact:** Dra. Lida Orta-Anés, Department of Environmental Health, School of Public Health. **Status:** Planning stage.

National Survey of Working, Employment and Health Conditions in Grenada. **Leading Institute/Agency:** St. George's University. **Main local contact:** Dr. Martin Forde, School of Medicine, Dept. of Public Health & Preventive Medicine, Environmental and Occupational Health Track. **Status:** Pilot study planned for 2021.

National Survey of Working, Employment and Health Conditions in Mexico. **Leading Institute/Agency:** National Institute of Public Health, Mexico. **Main local contact:** Dr. Tonatiuh Barrientos Gutiérrez, Dirección de Salud Reproductiva, Centro de Investigación en Salud Poblacional. **Status:** Planning stage.

### *Completed activities*

- 2016-2020 II National Survey of Working, Employment and Health Conditions in Central America. **Leading Institute/Agency:** SWCOEH/UTSPH, UNA, CiSAL/UPF. **Main contact:** Drs. Gimeno and Delclos (UTSPH), Dr. Rojas (UNA) and Dr. Benavides (UPF).
- 2018 II Encuesta Nacional a trabajadores sobre Condiciones de Empleo, Trabajo, Salud y Seguridad (ECETSS 2018). **Leading Institute/Agency:** Superintendencia de Riesgos del Trabajo (SRT) through the Observatorio de Salud y Seguridad en el Trabajo, with collaboration of the Ministerio de Producción y Trabajo (MPyT) and the support of the Organización Iberoamericana de Seguridad Social (OISS). **Main contact:** Observatorio de Salud y Seguridad en el Trabajo.
- 2017 National Survey of Working, Employment and Health Conditions in Peru. **Leading Institute/Agency:** National Institute of Health of Peru. **Main contact:** Dr. Jonh Astete,

## OTHERS

2014-present

1. Meetings of the "Network of Experts on Working Conditions, Employment and Health Surveys" [Red de Expertos y Expertas en Encuestas de Condiciones de Trabajo, Empleo y Salud – **Red ECOTES**] established in Buenos Aires, Argentina, on 13-14 November 2014, during the Ibero-American Meeting on Working Conditions and Health Surveys organized by the Ibero-American Organization of Social Security Systems, CiSAL from the Universitat Pompeu Fabra in Barcelona (Spain) and the Superintendence of Occupational Risks of Argentina.

Ibero-American meetings of the ECOTES Network: (I) Buenos Aires, Argentina, 13-14 November 2014; (II) Belo Horizonte, Brazil, 9-10 July 2015; (III) Lima, Peru, 17-18 March 2016; (IV) San José, Costa Rica, 16-17 March 2017; (V) San Juan, Puerto Rico, May 2018; (VI) Montevideo, Uruguay, June 2019.

## PUBLIC POLICY DOCUMENTS

2013

1. Resolution on the results of I ECCTS adopted by the XXXVIII Reunión del Consejo de Ministros de Salud de Centroamérica y República Dominicana [Council of Ministers of Health of Central America and the Dominican Republic] (COMISCA), San José, Costa Rica, 27-28 June 2013.

(#27). Solicitar a los Ministerios de Trabajo y Salud y a las Instituciones de Seguridad Social considerar como insumo de alto valor técnico-científico para sus campañas de prevención de riesgos y promoción de la salud laboral los resultados de la I ECCTS [*To request the Ministries of Labor and Health and Institutions of Social Security to consider the results of I ECCTS as an input of high technical-scientific value for their campaigns of risk prevention and promotion of occupational health*]

(#28). Instruir a la SE-COMISCA para que coordine con las Secretarías del Sistema de Integración Centroamericana vinculadas con el tema a fin de fortalecer la integración de esta iniciativa con el trabajo regional [*To instruct SE-COMISCA to coordinate with the Secretariats of the Central American Integration System related to the theme in order to strengthen the integration of this initiative with regional work*]

(#29). Respaldar las gestiones que se realicen ante las agencias de cooperación técnica y financiera para la obtención de los recursos para la reproducción periódica de las ECCTS desarrolladas con el liderazgo de SALTRA [*To support the efforts made to the agencies of technical and financial cooperation to obtain the resources for the periodic reproduction of the ECCTS developed with the leadership of SALTRA*].

Remisión del Informe General de la I ECCTS a las/os Ministro/as de Trabajo de las siguientes



Repúblicas [*Submission of the General Report of the I ECCTS to the Ministers of Labor of the following Republics*]: Belice, Costa Rica, Dominicana, Guatemala, El Salvador, Honduras, Nicaragua, Panamá.

Remisión del Informe General de la I ECCTS a las siguientes Instituciones de Seguridad Social [*Submission of the General Report of the I ECCTS to the following Institutions of Social Security*]: (1) Belize Social Security Board, (2) Instituto Guatemalteco de Seguridad Social [*Guatemalan Social Security Institute*], (3) Instituto Salvadoreño del Seguro Social [*Salvadoran Institute of Social Security*], (4) Instituto Hondureño de Seguridad [*Honduran Institute of Security*], (5) Instituto Nicaragüense de Seguridad Social [*Nicaraguan Institute of Social Security*], (6) Caja Costarricense del Seguro Social [*Costa Rican Social Security Fund*], (7) Caja del Seguro Social de Panamá [*Social Security Fund of Panama*].