

**RESEARCH GROUP BACKGROUND AND ACCOMPLISHMENTS  
HEALTH INEQUALITIES**

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**2014-2019**

**HEALTH INEQUALITIES**

## **CURRENT MEMBERS OF THE RESEARCH AREA**

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## **RECORD OF THE RESEARCH AREA (Period 2014-2019)**

### **GROUP ACTIVITIES**

Inequality in health is a term used to refer to any difference in health, ie the distribution of diseases, causes, risk factors and other aspects of health. The Health Inequalities Area promotes research in the field of health differences between populations, with special reference to the study of social inequalities in health. Research in this area aims to promote studies on social aspects related to health.

### **LINES OF RESEARCH**

1. Epidemiology and temporal and spatial analysis methods in small areas
2. Gender and Health
3. Social determinants of health
4. Children's Health
5. Perinatal Health

## **CURRENT COLLABORATIONS WITH OTHER RESEARCH GROUPS**

## Valencian Community:

### National:

1. **CIBERESP:** Participación como miembro de grupo: **Vicenta Escribà-Agüir.** Participación en la acción estratégica proyecto MEDEA: **Óscar Zurriaga, Miguel A. Martínez-Beneito**
2. **BIOSTATNET** (Red Nacional de Bioestadística): Participación como miembro de grupo: **Miguel A. Martínez Beneito.**
3. **ORPHANET** España: Miembro del Comité Científico: **Óscar Zurriaga**

### International:

## SCIENTIFIC/TECHNICAL RECORD

### ■ 1. Research projects funded

1. 2012-2015. Violencia de género durante el embarazo y parto. Transferencia de conocimiento sobre violencia de género. Entidad financiadora: Consejería de Economía, Innovación, Ciencia y Empleo. Junta de Andalucía. Número de referencia: CTS-8009. IP: Isabel Ruiz Pérez. Importe: 102.335,00 Euros.
2. 2012-2015. Investigar para prevenir las enfermedades raras pediátricas: Aplicación a las anomalías congénitas cardíacas raras. Entidad financiadora: Fundació Gent per Gent. Número de referencia: 34 ER. IP: Carmen Martos. Importe: 20.500,00 Euros.
3. 2012-2014. Proyecto RIU: un río de culturas, un río de salud. Entidad financiadora: Ministerio de Sanidad, Política Social e Igualdad. Número de Referencia: PR11/080 IP: Joan Paredes. Importe: 39.051,50 Euros.
4. 2012-2014. Análisis de la magnitud y los determinantes de la mortalidad y morbilidad materna grave en la Comunidad Valenciana (2006-2010). Entidad financiadora: FIS (ISCIII). Número de referencia: PI11/01016. IP: Oscar Zurriaga. Importe: 42.360,89 Euros.
5. 2012-2014. Cross-Border Patient Registries Initiative (PARENT). Entidad financiadora: Comisión Europea. Número de referencia: PR11/096. IP: Oscar Zurriaga. Importe: 197.258,62 Euros.
6. 2012-2014. Morbilidad materna y morbilidad neonatal en población autóctona e inmigrante. Entidad financiadora: Ministerio de Economía y Competitividad. Número de referencia: CSO 2011-26245. IP: I. Río. Importe: 28.000,00 Euros.

### 2. Participation in research contracts with companies or administrators.

#### 1. Publications

## YEAR 2019

1. Ruiz-Perez I, Rodriguez-Gomez M, Pastor-Moreno G, Escriba-Aguir V, Petrova D. Effectiveness of interventions to improve cancer treatment and follow-up care in socially disadvantaged groups. *Psychooncology*. 2019.· DOI: [10.1002/pon.5011](<http://dx.doi.org/10.1002/pon.5011>)

## YEAR 2018

1. Armero C, Forte A, Perpignan H, Sanahuja MJ, Agusti S. Bayesian joint modeling for assessing the progression of chronic kidney disease in children. *Stat Methods Med Res*. 2018;27(1):298-311.· DOI: [10.1177/0962280216628560](<http://dx.doi.org/10.1177/0962280216628560>)
2. Artazcoz L, Cortes-Franch I, Escriba-Aguir V, Lopez M, Benavides FG. Long Working Hours and Job Quality in Europe: Gender and Welfare State Differences. *Int J Environ Res Public Health*. 2018;15(11).· DOI: [10.3390/ijerph15112592](<http://dx.doi.org/10.3390/ijerph15112592>)
3. Cerda-Gomez R, Paredes-Carbonell JJ, Lopez-Sanchez MP. [Applicability and perceived utility of the European Quality Instrument for Health Promotion (EQUIHP) in a health promotion programme]. *Gac Sanit*. 2018;32(2):135-42.· DOI: [10.1016/j.gaceta.2017.01.007](<http://dx.doi.org/10.1016/j.gaceta.2017.01.007>)
4. Corpas-Burgos F, Garcia-Donato G, Martinez-Beneito MA. Some findings on zero-inflated and hurdle poisson models for disease mapping. *Stat Med*. 2018;37(23):3325-37.· DOI: [10.1002/sim.7819](<http://dx.doi.org/10.1002/sim.7819>)
5. Cortes-Franch I, Escriba-Aguir V, Benach J, Artazcoz L. Employment stability and mental health in Spain: towards understanding the influence of gender and partner/marital status. *BMC Public Health*. 2018;18(1):425.· DOI: [10.1186/s12889-018-5282-3](<http://dx.doi.org/10.1186/s12889-018-5282-3>)
6. Lopez-Sanchez P, Paredes-Carbonell JJ, Cassetti V, Grau Camarena C, Castro-Rojas L, Crisanto-Pantoja M. [Changes attributed to a program based on the action-training of health agents. What do the associations say?]. *Rev Esp Salud Publica*. 2018;92.· Available from: [<https://www.ncbi.nlm.nih.gov/pubmed/30228255>](<https://www.ncbi.nlm.nih.gov/pubmed/30228255>)
7. Mas-Pons R, Barona-Vilar C, Ninyoles G, Garcia AM. [Health in all policies in the Valencian Community: steps towards the health impact assessment]. *Gac Sanit*. 2018.· DOI: [10.1016/j.gaceta.2018.09.002](<http://dx.doi.org/10.1016/j.gaceta.2018.09.002>)
8. Perez R, Suelves T, Molina Y, Corpas-Burgos F, Yusa V, force Bt. Biomonitoring of mercury in hair of children living in the Valencian Region (Spain). Exposure and risk assessment. *Chemosphere*. 2018;217:558-66.· DOI: [10.1016/j.chemosphere.2018.11.017](<http://dx.doi.org/10.1016/j.chemosphere.2018.11.017>)

9. Ruiz-Perez I, Pastor-Moreno G, Escriba-Aguir V, Maroto-Navarro G. Intimate partner violence in women with disabilities: perception of healthcare and attitudes of health professionals. *Disabil Rehabil.* 2018;40(9):1059-65. DOI: [10.1080/09638288.2017.1288273](<http://dx.doi.org/10.1080/09638288.2017.1288273>)
10. Soler-Blasco R, Mas Pons R, Barona Vilar C, Zurriaga O. [Inequities in mental health: admissions for psychosis in public hospitals of the Comunitat Valenciana (2008-2015)]. *Rev Esp Salud Publica.* 2018;92. Available from: [<https://www.ncbi.nlm.nih.gov/pubmed/30401795>](<https://www.ncbi.nlm.nih.gov/pubmed/30401795>)
11. Tamayo-Fonseca N, Nolasco A, Moncho J, Barona C, Irlles MA, Mas R, Giron M, Gomez-Beneyto M, Pereyra-Zamora P. Contribution of the Economic Crisis to the Risk Increase of Poor Mental Health in a Region of Spain. *Int J Environ Res Public Health.* 2018;15(11). DOI: [10.3390/ijerph15112517](<http://dx.doi.org/10.3390/ijerph15112517>)

## YEAR 2017

1. Adin A, Martínez-Beneito MA, Botella-Rocamora P, Goicoa T, Ugarte MD. Smoothing and high risk areas detection in space-time disease mapping: a comparison of P-splines, autoregressive, and moving average models. *Stoch Environ Res Risk Assess.* 2017(31):403. DOI: [<https://doi.org/10.1007/s00477-016-1269-8>](<http://dx.doi.org/https://doi.org/10.1007/s00477-016-1269-8>)
2. Aguilar-Palacio I, Martínez-Beneito MA, Rabanaque MJ, Borrell C, Cirera L, Daponte A, Domínguez-Berjon MF, Gandarillas A, Gotsens M, Lorenzo-Ruano P, Mari-Dell'Olmo M, Nolasco A, Saez M, Sánchez-Villegas P, Saurina C, Martos C, other Mm. Diabetes mellitus mortality in Spanish cities: Trends and geographical inequalities. *Prim Care Diabetes.* 2017;11(5):453-60. DOI: [10.1016/j.pcd.2017.05.006](<http://dx.doi.org/10.1016/j.pcd.2017.05.006>)
3. Boned-Ombuena A, Pérez-Panades J, López-Maside A, Miralles-Espi M, Guardiola Vilarroig S, Adam Ruiz D, Zurriaga O. [Prevalence of oral anticoagulation and quality of its management in primary healthcare: A study by the Health Sentinel Network of the Region of Valencia (Spain)]. *Aten Primaria.* 2017;49(9):534-48. DOI: [10.1016/j.aprim.2016.11.015](<http://dx.doi.org/10.1016/j.aprim.2016.11.015>)
4. Botella-Rocamora P, Pérez-Panades J, Martínez-Beneito MA. Estimating the geographical distribution of diseases: a statistical problem. *Boletín de Estadística e Investigación Operativa.* 2017;33:4-21. Available from: [
5. Cabrera-Leon A, Daponte Codina A, Mateo I, Arroyo-Borrell E, Bartoll X, Bravo MJ, Domínguez-Berjon MF, Renart G, Álvarez-Dardet C, Mari-Dell'Olmo M, Bolívar Muñoz J, Saez M, Escriba-Aguir V, Palencia L, López MJ, Saurina C, Puig V, Martín U, Gotsens M, Borrell C, Serra Saurina L, Sordo L, Bacigalupe A, Rodríguez-Sanz M, Pérez G, Espelt A, Ruiz M, Bernal M. [Contextual indicators to assess social determinants of health and the Spanish economic recession]. *Gac Sanit.* 2017;31(3):194-203. DOI: [10.1016/j.gaceta.2016.06.014](<http://dx.doi.org/10.1016/j.gaceta.2016.06.014>)

6. Cerda-Gomez R, Paredes-Carbonell JJ, Lopez-Sanchez MP. [Applicability and perceived utility of the European Quality Instrument for Health Promotion (EQUIHP) in a health promotion programme]. *Gac Sanit.* 2018;32(2):135-42. DOI: [10.1016/j.gaceta.2017.01.007](<http://dx.doi.org/10.1016/j.gaceta.2017.01.007>)
7. Gómez MR, Tous J, Martín D, Ferrer E. Estudio retrospectivo sobre las agresiones a profesionales registradas durante el decenio 2005-2014 en un área de salud de la Comunidad Valenciana. *Revista Enfermería del Trabajo.* 2017;7(4):88-96. Available from: [
8. López-Briones C, Zurriaga Ó, Bernabeu-Mestre J, Barona C. Comparative analysis of dietary guidelines for Spain. *Public Health Panorama.* 2017;3(4):799-818. Available from: [http://hdl.handle.net/10045/72342](<http://hdl.handle.net/10045/72342>)
9. López-Sánchez P, Paredes-Carbonell J, Grau Camarena C, Sánchez-Cánovas M, Galindo-Galindo A, Iniesta-Martínez I. Foro Comunitario 2º Martes Salud: una herramienta de promoción de salud comunitaria. *Revista Iberoamericana de Enfermería Comunitaria.* 2017;10(1):17-22. Available from: [
10. Martínez-Beneito MA, Botella-Rocamora P, Banerjee S. Towards a Multidimensional Approach to Bayesian Disease Mapping. *Bayesian Anal.* 2017;12(1):239-59. DOI: [10.1214/16-BA995](<http://dx.doi.org/10.1214/16-BA995>)
11. Martínez-Beneyto P, Soria Checa CE, Botella-Rocamora P, Rincon-Piedrahita I, Garcia Callejo FJ, Algarra JM. Lessons from healthcare utilization in children with obstructive sleep apnoea syndrome. *Acta Otorrinolaringol Esp.* 2017;68(6):336-43. DOI: [10.1016/j.otorri.2017.02.002](<http://dx.doi.org/10.1016/j.otorri.2017.02.002>)
12. Miguel Montoya I, Orti Lucas R, Ferrer Ferrandiz E, Martín Baena D, Montejano Lozoya R. Evaluation of the effect of an intervention on the nutritional status of hospitalized patients. *Med Clin (Barc).* 2017;148(7):291-6. DOI: [10.1016/j.medcli.2016.10.033](<http://dx.doi.org/10.1016/j.medcli.2016.10.033>)
13. Paredes-Carbonell JJ, Morgan YA. ¿Pueden “viajar” las guías NICE? Reflexiones sobre su aplicabilidad en la Comunitat Valenciana en España. *Glob Health Promot.* 2017. DOI: [10.1177/1757975917691936](<http://dx.doi.org/10.1177/1757975917691936>)
14. Perez-Breva L, Abad-Torreblanca R, Martínez-Beneito MA, Puig-Barbera J, Aleman-Sanchez S, Morant-Talamante N, Sastre-Canton M, Vazquez-Moreno JA, Diez-Domingo J. Seroprevalence of antibodies against serogroup C meningococci in the region of Valencia, Spain: Impact of meningococcal C conjugate vaccination. *Vaccine.* 2017;35(22):2949-54. DOI: [10.1016/j.vaccine.2017.04.022](<http://dx.doi.org/10.1016/j.vaccine.2017.04.022>)
15. Ruiz-Perez I, Escriba-Aguir V, Montero-Pinar I, Vives-Cases C, Rodríguez-Barranco M, Spain GftSoGVi. Prevalence of intimate partner violence in Spain: A national cross-sectional survey in primary care. *Aten Primaria.* 2017;49(2):93-

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[10.1016/j.aprim.2016.03.006](<http://dx.doi.org/10.1016/j.aprim.2016.03.006>)
16. Ruiz-Perez I, Pastor-Moreno G, Escriba-Aguir V, Maroto-Navarro G. Intimate partner violence in women with disabilities: perception of healthcare and attitudes of health professionals. *Disabil Rehabil.* 2017;1-7. DOI:  
[10.1080/09638288.2017.1288273](<http://dx.doi.org/10.1080/09638288.2017.1288273>)
17. Sánchez-Casado L, Paredes-Carbonell JJ, López-Sánchez P, Morgan A. Mapa de activos para la salud y la convivencia: propuestas de acción desde la intersectorialidad. *Index de Enfermería.* 2017;26:180-4. Available from:  
[[http://scielo.isciii.es/scielo.php?script=sci\\_arttext&pid=S1132-12962017000200013&nrm=iso](http://scielo.isciii.es/scielo.php?script=sci_arttext&pid=S1132-12962017000200013&nrm=iso)]([http://scielo.isciii.es/scielo.php?script=sci\\_arttext&pid=S1132-12962017000200013&nrm=iso](http://scielo.isciii.es/scielo.php?script=sci_arttext&pid=S1132-12962017000200013&nrm=iso))
18. Vera-Remartinez EJ, Paredes-Carbonell JJ, Avino Juan-Ulpiano D, Jimenez-Perez M, Araujo Perez R, Agullo-Cantos JM, Mora Notario A. Sentido de coherencia y mapa de activos para la salud en jóvenes presos de la Comunidad Valenciana en España. *Glob Health Promot.* 2017;24(3):112-21. DOI:  
[10.1177/1757975915614229](<http://dx.doi.org/10.1177/1757975915614229>)
19. Yusa V, Perez R, Suelves T, Corpas-Burgos F, Gormaz M, Dualde P, Coscolla C, Quiles J, Roca M, Vento M. Biomonitoring of mercury in hair of breastfeeding mothers living in the Valencian Region (Spain). Levels and predictors of exposure. *Chemosphere.* 2017;187:106-13. DOI:  
[10.1016/j.chemosphere.2017.08.100](<http://dx.doi.org/10.1016/j.chemosphere.2017.08.100>)

## YEAR 2016

1. Armero C, Forne C, Rue M, Forte A, Perpignan H, Gomez G, Bare M. Bayesian joint ordinal and survival modeling for breast cancer risk assessment. *Stat Med.* 2016;35(28):5267-82. DOI: 10.1002/sim.7065  
(<https://www.ncbi.nlm.nih.gov/pubmed/27523800>)
2. Artazcoz L, Cortes I, Benavides FG, Escriba-Aguir V, Bartoll X, Vargas H, Borrell C. Long working hours and health in Europe: Gender and welfare state differences in a context of economic crisis. *Health Place.* 2016;40:161-8. DOI:  
10.1016/j.healthplace.2016.06.004 (<http://www.ncbi.nlm.nih.gov/pubmed/27341274>)
3. Ata-Ali J, Zurriaga O, Alberich C. Incidence and survival rates for malignant salivary gland tumors. *J Oral Sci.* 2016;58(1):67-73. DOI:  
[10.2334/josnusd.58.67](<http://dx.doi.org/10.2334/josnusd.58.67>)
4. Brinkmann BH, Wagenaar J, Abbot D, Adkins P, Bosshard SC, Chen M, Tieng QM, He J, Munoz-Almaraz FJ, Botella-Rocamora P, Pardo J, Zamora-Martinez F, Hills M, Wu W, Korshunova I, Cukierski W, Vite C, Patterson EE, Litt B, Worrell GA. Crowdsourcing reproducible seizure forecasting in human and

- canine epilepsy. *Brain*. 2016;139(Pt 6):1713-22. DOI: 10.1093/brain/aww045 (<http://www.ncbi.nlm.nih.gov/pubmed/27034258>)
5. Cavero-Carbonell C, Gras-Colomer E, Guaita-Calatrava R, Lopez-Briones C, Amoros R, Abaitua I, Posada M, Zurriaga O. Consensus on the criteria needed for creating a rare-disease patient registry. A Delphi study. *J Public Health (Oxf)*. 2016;38(2):e178-86. DOI: 10.1093/pubmed/fdv099 (<https://www.ncbi.nlm.nih.gov/pubmed/26294444>)
  6. Cofino R, Avino D, Benede CB, Botello B, Cubillo J, Morgan A, Paredes-Carbonell JJ, Hernan M. [Health promotion based on assets: how to work with this perspective in local interventions?]. *Gac Sanit*. 2016;30 Suppl 1:93-8. DOI: 10.1016/j.gaceta.2016.06.004 (<http://dx.doi.org/10.1016/j.gaceta.2016.06.004>)
  7. Diez E, Avino D, Paredes-Carbonell JJ, Segura J, Suarez O, Gerez MD, Perez A, Daban F, Camprubi L. [A good investment: promoting health in cities and neighbourhoods]. *Gac Sanit*. 2016;30 Suppl 1:74-80. DOI: 10.1016/j.gaceta.2016.04.015 (<https://www.ncbi.nlm.nih.gov/pubmed/27837799>)
  8. Escriba-Aguir V, Rodriguez-Gomez M, Ruiz-Perez I. Effectiveness of patient-targeted interventions to promote cancer screening among ethnic minorities: A systematic review. *Cancer Epidemiol*. 2016;44:22-39. DOI: 10.1016/j.canep.2016.07.009 (<http://www.ncbi.nlm.nih.gov/pubmed/27459464>)
  9. Escriba-Aguir V, Ruiz-Perez I, Artazcoz L, Martin-Baena D, Royo-Marques M, Vanaclocha-Espi M. Validity and Reliability of the Spanish Version of the "Abuse Assessment Screen" among Pregnant Women. *Public Health Nurs*. 2016;33(3):264-72. DOI: 10.1111/phn.12232 (<https://www.ncbi.nlm.nih.gov/pubmed/26464044>)
  10. Mari-Dell'Olmo M, Gotsens M, Palencia L, Rodriguez-Sanz M, Martinez-Beneito MA, Ballesta M, Calvo M, Cirera L, Daponte A, Dominguez-Berjon F, Gandarillas A, Goni NI, Martos C, Moreno-Iribas C, Nolasco A, Salmeron D, Taracido M, Borrell C. Trends in socioeconomic inequalities in mortality in small areas of 33 Spanish cities. *BMC Public Health*. 2016;16(1):663. DOI: 10.1186/s12889-016-3190-y (<http://www.ncbi.nlm.nih.gov/pubmed/27473140>)
  11. Martin Escobar E, Registro Espanol de Enfermos R. The Spanish Renal Registry: 2013 report and evolution from 2007-2013. *NEFROLOGIA*. 2016;36(2):97-120. DOI: 10.1016/j.nefro.2015.10.020 (<http://dx.doi.org/10.1016/j.nefro.2015.10.020>)
  12. Martin-Baena D, Talavera M, Montero-Pinar I. Interpersonal Violence and Health in Female University Students in Spain. *J Nurs Scholarsh*. Nov;48(6):561-568. DOI: 10.1111/jnu.12239 (<http://www.ncbi.nlm.nih.gov/pubmed/27541174>)
  13. Paredes-Carbonell JJ, Peiro-Perez R, Morgana A. Promoting good practice in health promotion in Spain: the potential role of a new agency. *Gac Sanit*. 2016;30 Suppl 1:19-24. DOI: 10.1016/j.gaceta.2016.07.005 (<https://www.ncbi.nlm.nih.gov/pubmed/27837792>)
  14. Pippias M, Jager KJ, Kramer A, Leivestad T, Sanchez MB, Caskey FJ, Collart F, Couchoud C, Dekker FW, Finne P, Fouque D, Heaf JG, Hemmeler MH,



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## YEAR 2015

1. Amoros R, Conesa D, Martinez-Beneito MA, Lopez-Quilez A. STATISTICAL METHODS FOR DETECTING THE ONSET OF INFLUENZA OUTBREAKS: A REVIEW. *Revstat-Statistical Journal*. 2015;13(1):41-62. Available from: (<https://www.ine.pt/revstat/pdf/rs150103.pdf>)
2. Botella-Rocamora P, Martinez-Beneito MA, Banerjee S. A unifying modeling framework for highly multivariate disease mapping. *Stat Med*. 2015;34(9):1548-59. DOI: [10.1002/sim.6423](<http://dx.doi.org/10.1002/sim.6423>)
3. Brea LP, Domingo JD, Martinez Beneito MA, Barbera JP. Vaccine coverage estimation using a computerized vaccination registry with potential underreporting and a seroprevalence study. *Vaccine*. 2015;33(18):2183-8. DOI: [10.1016/j.vaccine.2015.02.048](<http://dx.doi.org/10.1016/j.vaccine.2015.02.048>)
4. Conesa D, Martinez-Beneito MA, Amoros R, Lopez-Quilez A. Bayesian hierarchical Poisson models with a hidden Markov structure for the detection of influenza epidemic outbreaks. *Stat Methods Med Res*. 2015;24(2):206-23. DOI: [10.1177/0962280211414853](<http://dx.doi.org/10.1177/0962280211414853>)
5. Mari-Dell'Olmo M, Martinez-Beneito MA. A Multilevel Regression Model for Geographical Studies in Sets of Non-Adjacent Cities. *PLoS One*. 2015;10(8):e0133649. DOI: [10.1371/journal.pone.0133649](<http://dx.doi.org/10.1371/journal.pone.0133649>)
6. Martin-Baena D, Montero-Pinar I, Escriba-Aguir V, Vives-Cases C. Violence against young women attending primary care services in Spain: prevalence and health consequences. *Fam Pract*. 2015;32(4):381-6. DOI: [10.1093/fampra/cmz017](<http://dx.doi.org/10.1093/fampra/cmz017>)
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#### 4. Participation in education and training programs

Dr. Óscar Zurriaga, profesor Asociado en el Departamento de Medicina Preventiva y Salud Pública, Ciencias de la Alimentación, Toxicología y Medicina Legal. Universitat de València

Dr. Miguel A. Martínez Beneito, profesor contratado en el Programa de Doctorado de Ciencias de la Salud de la Universidad CEU-Cardenal Herrera (asignatura: “Estadística aplicada a las Ciencias de la Salud”).

Dra. Vicenta Escribà-Agüir, Dra. Carmen Barona, Rosa Mas, Dra. Ana Sullana y Dr. Óscar Zurriaga, profesores en el Máster en Salud Pública y Gestión Sanitaria (Universitat de València-ADEIT-Conselleria de Sanitat)

Dr. Miguel A. Martínez Beneito: Docencia en el curso “Análisis geográfico de datos en áreas pequeñas en ciencias de la salud”.