

Helen Banks

Senior Researcher



Knowledge Group: Government, Health and Not for Profit

Research Domains: Health Economics and HTA

Teaching Domains: Real-World Data and Real-World Evidence, HTA
Governance Systems, Outcome Research, Determinants of Health and
Health Expenditure, Health Inequalities

helen.banks@unibocconi.it

Biography

Helen Banks è Senior Researcher di Economia Sanitaria e Health Technology Assessment (HTA) presso il Centro di Ricerca per la Gestione dell'Assistenza Sanitaria e Sociale (CERGAS) della SDA Bocconi School of Management.

Ricercatrice presso il Centro di ricerche sulla gestione dell'assistenza sanitaria e sociale (CERGAS), SDA Bocconi School of Management dal 2012, ha lavorato a diversi progetti italiani e internazionali, tra cui IMI2 Big Data for Better Outcomes (BD4BO), Policy Innovation, and Healthcare Systems Transformation (DO-IT) consortium, Bridge Health (EU Health Programme 2014-2020), Medtehta EU-FP7 ed Eurohope EU-FP7. I progetti italiani hanno riguardato studi basati su dati utilizzando i flussi nazionali, regionali e locali in varie aree terapeutiche e aree politiche come Health Technology Assessment (HTA) per i dispositivi medici e la nutrizione artificiale. Prima di entrare in CERGAS, la sua esperienza nel settore privato includeva un progetto a lungo termine con la Regione Lombardia, l'accreditamento di ospedali e ASL utilizzando la metodologia Joint Commission International, educazione sanitaria, consulenza gestionale e business intelligence per le industrie farmaceutiche e di biotecnologia.

I suoi principali interessi di ricerca comprendono l'analisi statistica e dei dati, lo sfruttamento di tecniche di conversione dei dati, collegamento, preparazione, gestione e programmazione, per progetti di ricerca paneuropei e italiani per valutare le prestazioni del sistema sanitario, i costi, l'uso delle risorse, i percorsi di cura e gli esiti mediante l'uso amministrativo dati provenienti da enti sanitari pubblici e privati. Di recente si è anche concentrata sulla valutazione delle tecnologie sanitarie, sulla regolamentazione dei dispositivi medici, sulla pianificazione, valutazione, finanziamento ed elaborazione delle politiche del sistema sanitario, nonché sulla mappatura e valutazione dei percorsi clinici e dei programmi di cura cronica utilizzando i dati del mondo reale.

È autrice di diversi articoli in materia di economia sanitaria, politica sanitaria e HTA. I suoi lavori sono stati pubblicati su Health Economics, Health Policy, PlosOne, BMC Medical Research Methodology, Journal of Cancer Policy e Europace, tra gli altri. In precedenza, ha lavorato a newsletter, articoli, libri e manuali nei settori della ricerca farmaceutica, della qualità, della riforma del sistema sanitario statunitense e dell'educazione sanitaria per l'emergente epidemia di AIDS. È membro dell'Associazione Italiana di Economia Sanitaria (AIES) e della Società Italiana Attività Regolatorie, Accesso, Farmacovigilanza (SIARV).

Helen ha ottenuto un BA in Communications e un Master in Education presso University of California at Los Angeles (UCLA), USA, e possiede un Master of Arts in Economics dalla University of Maryland, College Park, USA.

Articles in Scholarly Journals

Which Factors are Holding up the Integration of the Environmental Impact of Health Technologies in Health Technology Assessment? Insights from a Multi-Stakeholder Interview Study

ARDITO, V., H. BANKS, R. TARRICONE, "Which Factors are Holding up the Integration of the Environmental Impact of Health Technologies in Health Technology Assessment? Insights from a Multi-Stakeholder Interview Study", Applied Health Economics and Health Policy, 2025

An accelerated access pathway for innovative high-risk medical devices under the new European Union Medical Devices and health technology assessment regulations? Analysis and recommendations

TARRICONE, R., H. BANKS, O. CIANI, W. BROUWER, M. DRUMMOND, R. LEIDL, N. MARTELLI, L. SAMPIETRO-COLOM, R. S. TAYLOR, "An accelerated access pathway for innovative high-risk medical devices under the new European Union Medical Devices and health technology assessment regulations? Analysis and recommendations", Expert Review of Medical Devices, 2023, vol. 20, no. 4, pp. 259-271

Using big data and Population Health Management to assess care and costs for patients with severe mental disorders and move toward a value-based payment system

TOZZI, V., H. BANKS, L. FERRARA, A. BARBATO, G. CORRAO, B. D'AVANZO, T. DI FIANDRA, A. GADDINI, M. M. COMPAGNONI, M. SANZA, A. SAPONARO, S. SCONDOTTO, A. LORA, "Using big data and Population Health Management to assess care and costs for patients with severe mental disorders and move toward a value-based payment system", BMC Health Services Research, 2023, vol. 23, pp. 960

Avoidable hospitalizations and access to primary care: comparisons among Italians, resident immigrants and undocumented immigrants in administrative hospital discharge records

ALLEGRI, C., H. BANKS, C. DEVILLANOVA, "Avoidable hospitalizations and access to primary care: comparisons among Italians, resident immigrants and undocumented immigrants in administrative hospital discharge records", eClinicalMedicine, 2022, vol. 46, pp. 101345

DM management in HIV patients: the adoption of population health management to transform the chronic management of HIV

PACILEO, G., V. MORANDO, H. BANKS, L. FERRARA, A. CATTELAN, R. LUZZATI, V. MANFRIN, V. TOZZI, "DM management in HIV patients: the adoption of population health management to transform the chronic management of HIV", *European Journal of Public Health*, 2022, vol. 32, no. 6, pp. 942–947

Establishing a national HTA program for medical devices in Italy: Overhauling a fragmented system to ensure value and equal access to new medical technologies

TARRICONE, R., F. AMATUCCI, P. ARMENI, H. BANKS, L. BORSOI, G. CALLEA, O. CIANI, F. COSTA, C. B. FEDERICI, A. TORBICA, M. MARLETTA, "Establishing a national HTA program for medical devices in Italy: Overhauling a fragmented system to ensure value and equal access to new medical technologies", *Health Policy*, 2021, vol. 125, no. 5, pp. 602-608

Transformation of Cancer Care during and after the COVID Pandemic, a point of no return. The Experience of Italy

TARRICONE, R., E. LISTORTI, V. TOZZI, A. TORBICA, H. BANKS, S. GHISLANDI, M. ALTINI, M. ANNICCHIARICO, A. ARDIZZONI, P. BORDON, P. BOSSI, S. CASCINU, G. NUMICO, F. PUGLISI, G. FASOLA, "Transformation of Cancer Care during and after the COVID Pandemic, a point of no return. The Experience of Italy", *Journal of Cancer Policy*, September 2021, vol. 29, pp. 100297

Patient access to oral nutritional supplements: Which policies count?

CAVAZZA, M., H. BANKS, M. MUSCARITOLI, M. RONDANELLI, E. ZANDONÀ, C. JOMMI, "Patient access to oral nutritional supplements: Which policies count?", *Nutrition*, January 2020, vol. 69, pp. 110560

A scoping review of core outcome sets and their 'mapping' onto real-world data using prostate cancer as a case study

MEREGAGLIA, M., O. CIANI, H. BANKS, M. SALCHER-KONRAD, C. CARNEY, S. JAYAWARDANA, P. WILLIAMSON, G. FATTORE, "A scoping review of core outcome sets and their 'mapping' onto real-world data using prostate cancer as a case study", *BMC Medical Research Methodology*, 2020, vol. 20, pp. 41

Factors influencing adherence to adjuvant endocrine therapy in breast cancer-treated women: using real-world data to inform a switch from acute to chronic disease management

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Leishmania infantum infection reduces the amyloid β 42-stimulated NLRP3 inflammasome activation

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The short-term economic burden of gestational diabetes mellitus in Italy

MEREGAGLIA, M., L. DAINELLI, H. BANKS, C. BENEDETTO, P. DETZEL, G. FATTORE, "The short-term economic burden of gestational diabetes mellitus in Italy", *BMC Pregnancy and Childbirth*, 2018, vol. 18, no. 1, pp. 58

Five year trends (2008–2012) in cardiac implantable electrical device utilization in five European nations: a case study in cross-country comparisons using administrative databases

BANKS, H., C. VALZANIA, Y. VARABYOVA, V. PREVOLNIK RUPEL, R. S. TAYLOR, T. HUNGER, S. WALKER, G. BORIANI, G. FATTORE, FOR THE MEDTECHTA GROUP, "Five year trends (2008–2012) in cardiac implantable electrical device utilization in five European nations: a case study in cross-country comparisons using administrative databases", EP Europace, 2018, vol. 20, no. 4, pp. 643-653

Investigating regional variation of cardiac implantable electrical device implant rates in European healthcare systems: what drives differences?

TORBICA, A., H. BANKS, C. VALZANIA, G. BORIANI, G. FATTORE, "Investigating regional variation of cardiac implantable electrical device implant rates in European healthcare systems: what drives differences?", Health Economics, 2017, vol. 26, no. S1, pp. 30-45

Mortality and Length of Stay of Very Low Birth Weight and Very Preterm Infants: A EuroHOPE Study

SIMEONI, U., G. FATTORE, D. NUMERATO, F. TEDIOSI, R. ZANINI, M. PELTOLA, H. BANKS, P. MIHALICZA, L. LEHTONEN, S. SVERÉUS, R. HEIJINK, S. T. KLITKOU, E. FLETCHER, A. VAN DER HEIJDEN, F. LUNDBERG, E. OVER, U. HÄKKINEN, T. T. SEPPÄLÄ, "Mortality and Length of Stay of Very Low Birth Weight and Very Preterm Infants: A EuroHOPE Study", Plos One, 2015, vol. 10, no. 6, pp. e0131685

Hospital Burden and Gastrointestinal Surgery in Inflammatory Bowel Disease Patients in Italy: A Retrospective Observational Study

MEREGAGLIA, M., G. FATTORE, H. BANKS, "Hospital Burden and Gastrointestinal Surgery in Inflammatory Bowel Disease Patients in Italy: A Retrospective Observational Study", Journal of Crohn's and Colitis, 2015, vol. 9, no. 10, pp. 853-862

Variations and Determinants of Mortality and Length of Stay of Very Low Birth Weight and Very Low for Gestational Age Infants in Seven European Countries

FATTORE, G., D. NUMERATO, M. PELTOLA, H. BANKS, R. GRAZIANI, R. HEIJINK, E. OVER, S. T. KLITKOU, E. FLETCHER, P. MIHALICZA, S. SVERÉUS, ON BEHALF OF THE EUROHOPE STUDY GROUP, "Variations and Determinants of Mortality and Length of Stay of Very Low Birth Weight and Very Low for Gestational Age Infants in Seven European Countries", Health Economics, 2015, vol. 24, pp. 65-87

Parameter Heterogeneity In Breast Cancer Cost Regressions - Evidence From Five European Countries

SMITH, J., H. BANKS, H. CAMPBELL, A. DOUGLAS, E. FLETCHER, A. MCCALLUM, T. A. MOGER, M. PELTOLA, S. SVERÉUS, S. WILD, L. J. WILLIAMS, J. FORBES, ON BEHALF OF THE EUROHOPE STUDY GROUP, "Parameter Heterogeneity In Breast Cancer Cost Regressions - Evidence From Five European Countries", Health Economics, 2015, vol. 24, pp. 23-37

Proceedings/Presentations

The use of big data and Population Health Management approaches to model and monitor the care pathway of patients with severe mental health disorders: the case of Italy

FERRARA, L., V. TOZZI, H. BANKS, A. ZAZZERA, "The use of big data and Population Health Management approaches to model and monitor the care pathway of patients with severe mental health disorders: the case of Italy" in EGPA Annual Conference, September 1-4, 2020, (Online)

The bundled payment model for mental health

FERRARA, L., V. TOZZI, H. BANKS, "The bundled payment model for mental health" in 13th Conference of the European Network for Mental Health Service Evaluation, "Managing mental health system complexity" - 6-8 June, 2019, Lisbon, Portugal