

EHMA 202-1-

Shaping and managing innovative health ecosystems

Magnet4Europe:

Results from a randomised intervention trial to improve clinician wellbeing in the healthcare workplace

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5 - 7 June 2024 - Bucharest, Romania
Politehnica University of Bucharest, Bucharest, Romania

Overview of Magnet4Europe

Funding & Duration

EU-Horizon2020 01/2020 -06/2024

Aim

Evaluation of the effect of hospital redesign according to the principles of the Magnet Model on mental health and wellbeing of physicians and nurses

Design

Wait-list cluster randomized controlled trial with a nested mixed-methods evaluation

Sample

Acute general hospitals (n=67) in 6 European countries (Belgium, Germany, Ireland, Norway, Sweden, England)

Coordination



Universiteit Pennsylvania



Partners









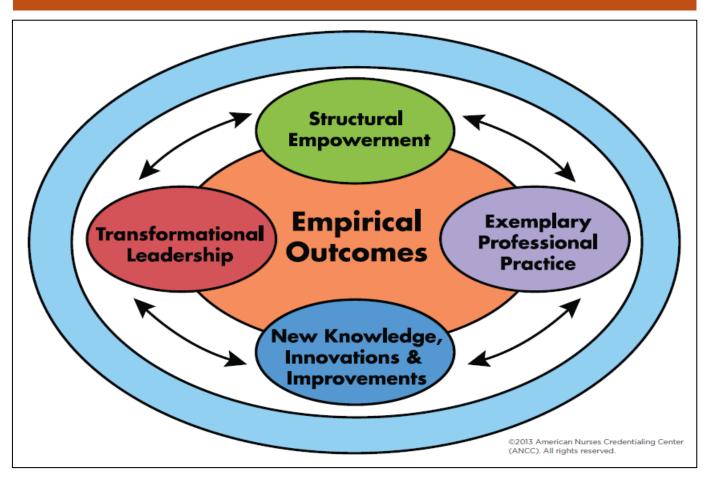






MAGNET[©] MODEL

THE MAGNET® BLUEPRINT



RATIONALE

Impact of redesigning the organization of hospitals

- >40 year of evidence
- Leading to better work environment
- Leading to better job and patient outcomes

Proved replicability of knowledge

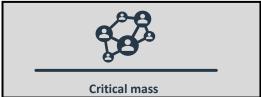
- Available blueprint allowing replication
- Critical mass in USA (>600 hospitals or ±10% of US hospitals) & increasing internationalization
- A lot of interest but few concrete implementations in Europe

MAGNET4EUROPE - SYSTEM LEVEL INTERVENTION

SYSTEM LEVEL INTERVENTION







1:1 Twinning EU intervention hospitals with US Magnet hospital

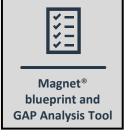


	(n) hospitals	
COUNTRY	T0	T1
BE	14	13
DE	20	19
EN	14	11
IE	15	15
NO	1	1
SE	3	4
TOTAL	67	63

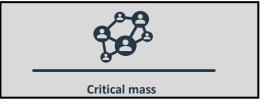


Twinning between hospitals

SYSTEM LEVEL INTERVENTION







Magnet4Europe

Fostering partnership and collaboration

By Rocel dela Rosa-Besa, PhD, RN, CV-BC, NPD-BC, CNE; Lisa Guinta, MSN, RN, NEA-BC; and

Katrin Mueller-Duemke, MsC

Implementing Magnet components

Next steps for Klinikum Lüneburg include the following:

American Nurse Journal. 2023; 18(6) Doi: 10.51256/ANJ062338 © 2023 HealthCom Media.

In November 2020, Klinikum Lüneburg (KL) in Lüneburg, Germany, partnered (twinned) with a Magnet-designated U.S. hospital, Hackensack Meridian-Jersey Shore University Medical Center (HM-JSUMC) located in Neptune, New Jersey.



Magnet components Next steps Transformational Conduct leader-led team-building activities to enhance physician-nurse relationships. Leadership • Develop leader-led initiatives to improve nursing image. Communicate performance metrics data and results to nursing leaders and clinical nurses. • Provide continued leadership support for embedding Magnet culture to improve the work environment. • Use the newsletter to keep nurses and team members informed. **Structural Empowerment** Reward and recognize nurse achievements. Perform market analysis of RN salaries and benefits. Recruit ancillary support staff to relieve RN workload. Develop recruitment initiatives (internal recruitment). • Initiate retention strategies (education and career advancement assistance and opportunities). **Exemplary Professional** Collect and benchmark nurse-sensitive indicators, nurse satisfaction, and patient satisfaction. Practice Evolve the professional practice model to reflect current organizational and nursing goals and priorities. • Conduct training and engage staff in performance improvement, evidence-based New Knowledge, Innovation & projects, and research. • Deploy the newsletter to disseminate information on projects and research. Improvement

• Expand evidenced-based design of units/departments.

Learning collaboratives – Online, Cork (2022), Oslo

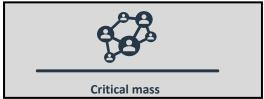


RIGOROUS EVALUATION

SYSTEM LEVEL INTERVENTION













At Baseline 2020-21 Mid covid-19

Survey among Nurses / physicians (N=11,603)

BMJ Open Physician and nurse well-being, patient safety and recommendations for interventions: cross-sectional survey in hospitals in six European countries

Linda H Aiken,¹ Walter Sermeus,² Martin McKee ⁶, ³ Karen B Lasater ⁶, ¹ Douglas Sloane, ¹ Colleen A Pogue, ¹ Dorothea Kohnen ⁶, ² Simon Dello ⁶, ² Claudia B Betrian Asiar ⁶, ⁴ Jonathan Drennan, ⁵ Matthew D McHugh ⁶, ¹ For the Magnet4Europe Consortium

Interviews (N=23)



Laying the foundations for implementing Magnet principles in hospitals in Europe: A qualitative analysis

Ingrid Svensson ^{a,h,*} Jackie Bridges ^c, Jaimie Ellis ^c, Noeleen Brady ^d, Simon Dello ^e, Jonathan Hooft ^e, Joan Kleine ^f, Dorothea Kohnen ^{e,c}, Elaine Lehane ^{f,c}, Rikard Lindqyis^c, Člaudia B. Maier^f, Vera J.C. Mc Carthy ^{f,c}, Ingeborg Stromesen Sjetne ^{6,f}, Lars E. Eriksson ^{6,d}, Lisa Smeds Alenius ^{6,f} Magnet-Efurope Consortium ¹

2021-22 Start implementation of the intervention

Survey among Nurses / physicians (N=8,905)

Improvements in the Nurse Work
Environment

Improvements in Clinician Wellbeing,
Patient Safety,
Care Quality

Interviews (N=22) Process evaluation (N=254) End 2023 Evaluation

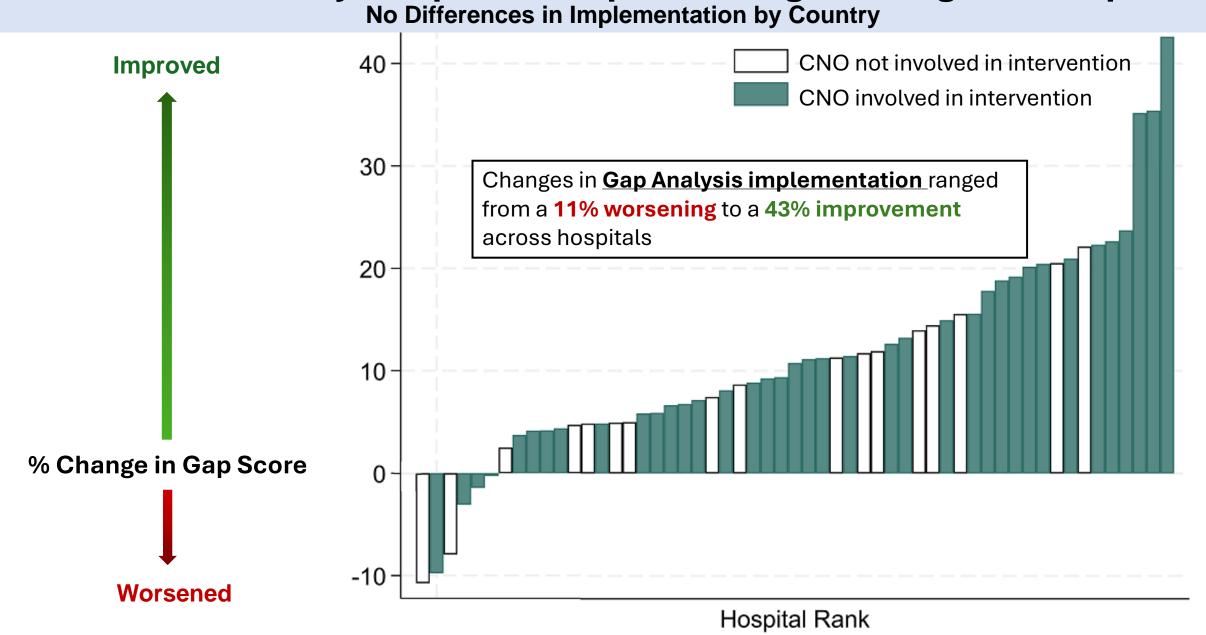
Survey among Nurses / physicians (N=5,963)

Interviews (N=20) Focus groups (n=74) Process evaluation (N=299)

Magnet4Europe hospitals moved, on average, towards greater implementation of the Magnet Blueprint in Gap Analysis

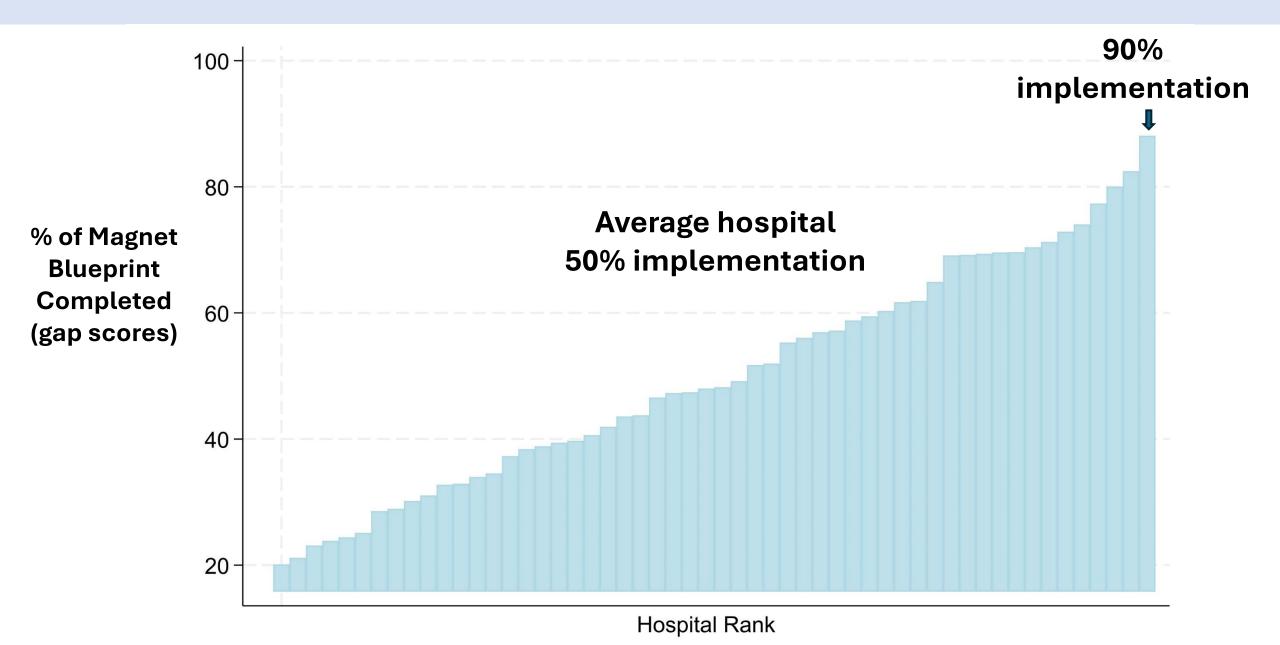


Wide variation by hospital in implementing the Magnet Blueprint:

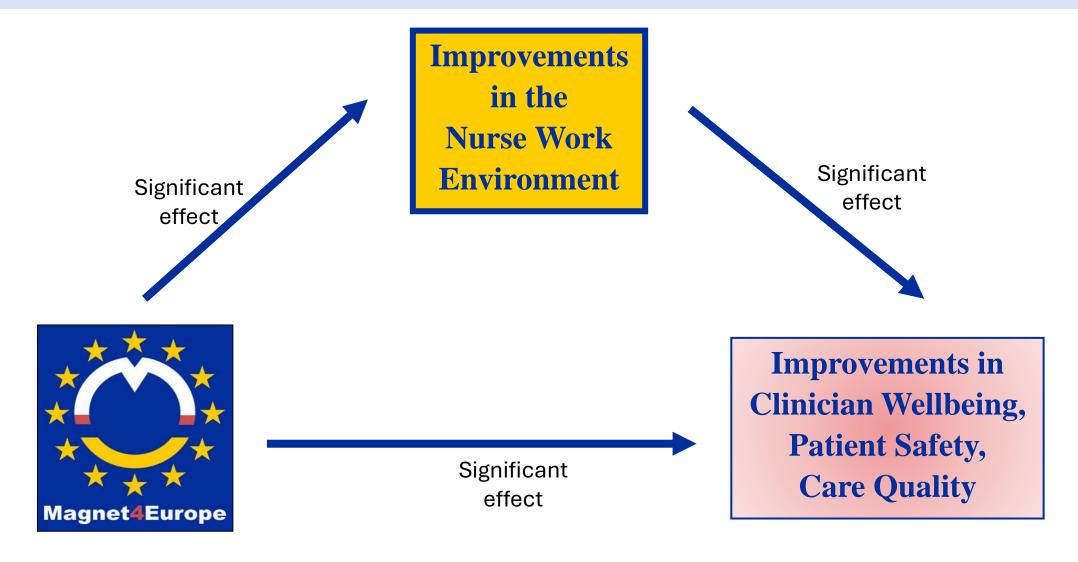


Is Magnet Feasible in Europe?

Some hospitals <u>currently</u> close to 100% implementation of Magnet Blueprint



Hospitals that more fully implemented the intervention had statistically significant improvements in the nurse work environment, clinician wellbeing, quality, safety



Summary & Outlook for the Future

- Strong evidence that the work environment is modifiable and lead to better job outcomes through improvements of the working environment
- The Magnet4Europe intervention is likely to yield favorable changes in work environments and outcomes
 - If all Magnet4Europe hospitals reached at least 80% implementation of the Magnet Blueprint we estimate:
 - 18% reduction in nurses with high burnout
 - 15% reduction in intent to leave
 - 12% reduction in job dissatisfaction



EHMA 2024

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Thank you



www.magnet4Europe.eu