



ORGANISATIONAL IMPLICATIONS OF HOSPITAL ADMISSIONS AT HOME FOR HOSPITALS

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Drivers for hospital care at home

Need for change

- Social level: aging, pressure health care budgets, reduced hospital capacity
- Patient level (primum non nocere!): delirium, hospital infections, falling trauma, immobility → IC admissions, mortality, loss of function

Chance to change

- Technology: digital health, artificial intelligence, changing social values



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Chance@Home

2004 – 2009

Pilot

CHANCE @ HOME STUDY: The Congestive Heart failure
Advanced Nursing Care @ Home study

Feasibility and effects of IV diuretic therapy NYHA class III/IV
congestive heart failure patients at home

2009 – current
regular care

Implementing a New Nurse Co-Ordinated Transmural Approach in Congestive Heart Failure Care: The Congestive Heart Failure Advanced Nursing Care @ Home-Study. Van de Wetering H. et al. European Journal of Cardiovascular Nursing. 2004.



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Increasing number of direct home admissions

Year	Heart failure	Pulmonary embolism	Pneumothorax	ShortStay	Endocarditis	Home visit	Total
2009	76	6				61	143
2010	66	45				301	412
2011	91	64	9			343	507
2012	72	57	8			337	474
2013	83	65	12			294	454
2014	77	67	22			387	553
2015	81	68	21			408	578
2016	74	74	20	24		458	650
2017	80	27	18	26		546	697
2018	99		20	24		499	642
2019	110		22	20		504	656
2020*	93		17	15	8	335	468
Total	1002	473	169	109	8	4473	6234

* Exploration



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NWE-Chance

Project identification

Project title	Development and validation of promising integrated eHealth applications for hospitalisation of heart failure patients at home				
Project acronym	NWE-Chance	Project Number	NWE 661		
Name of the Lead partner organisation in English	Isala				
Project duration in months	48 months	Start date	31-May-2018	End date	30-May-2022
Programme priority	Priority Axis 1 Innovation				
Programme priority specific objective	SO1: To enhance innovation performance of enterprises throughout NWE regions				
Total budget ERDF					2 007 781.34
Total budget					3 346 302.30



Vast interest for the implementation of home hospitalisations, but technological and organisational challenges need to be overcome.



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Build in Europe



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Objectives

- The development of an integrated technological Hospital@Home platform
- The evaluation of the feasibility of the use of the Hospital@Home platform in combination with the supporting care process
- The launch of an innovation hub



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Blueprint

- Organisational model
- Quality management
- Standard operating procedures
- Logistics
- Technical environment
- Work instructions



Lessons learned

- Start with a well-defined patient pathway
- Start with the patient, not with the technology
- Keep in mind that the service must be scalable
- Provide a 24/7 service
- Secure legal/administrative aspects with respect to the use of novel technologies

Website: www.nweurope.eu/nwe-chance

Socials:

 NWE_Chance (with underscore)

 NWE-Chance

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