Transfer of care – mind the gap

PSQ3 - 26th March 2021



UNIVERSITĀTS**medizin.**

MAINZ



Disclosure

Relevant Financial Relationship

None

Off-Label Investigational Uses

None



Self assessment questions

 Transitions/transfer of care means transfer between different locations and levels of care

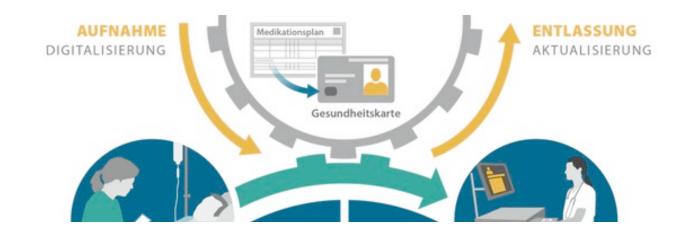
Yes or No?

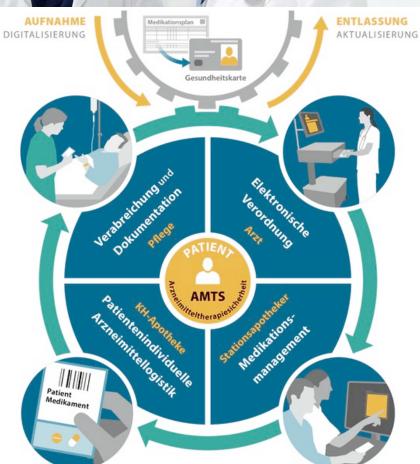
• Multimodal interventions by multidisciplinary teams appear to represent a best practice model for transfer of care interventions Yes or No?

• In most health care systems there are no gaps between different levels of care Yes or No?









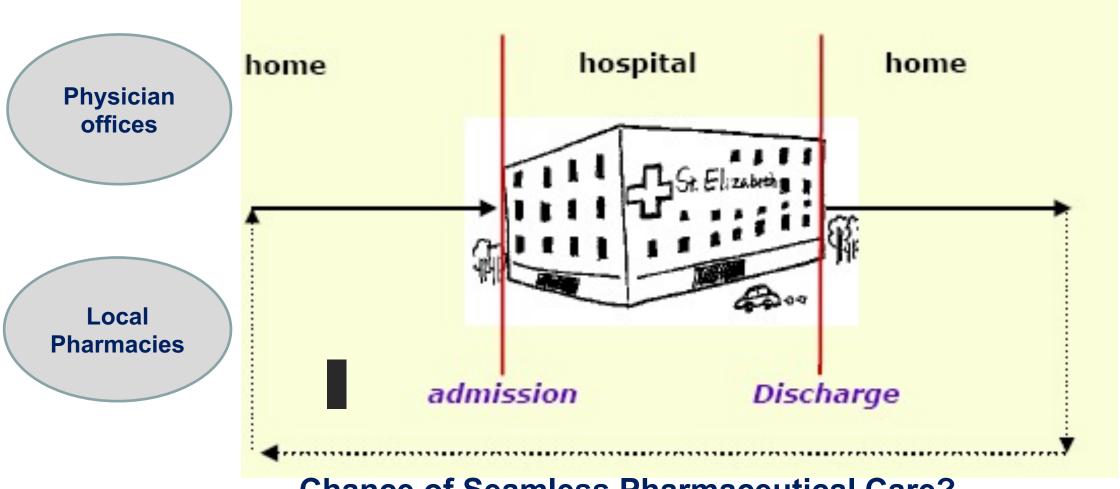


Electronic medication plan

Electronic patient record



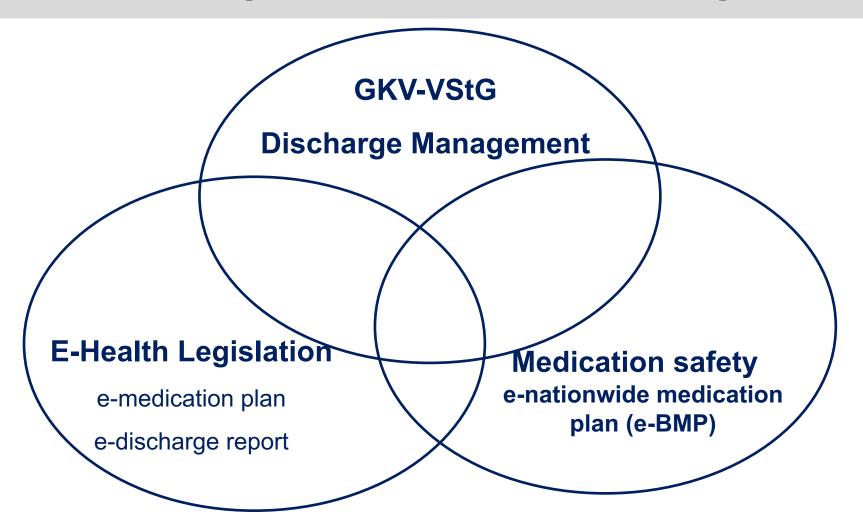
Medication Management at hospital transition



Chance of Seamless Pharmaceutical Care?



Medication Management at hospital discharge in Germany



Electronic nationwide Medication Plan in Germany

Medikationsplan



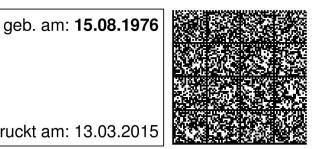
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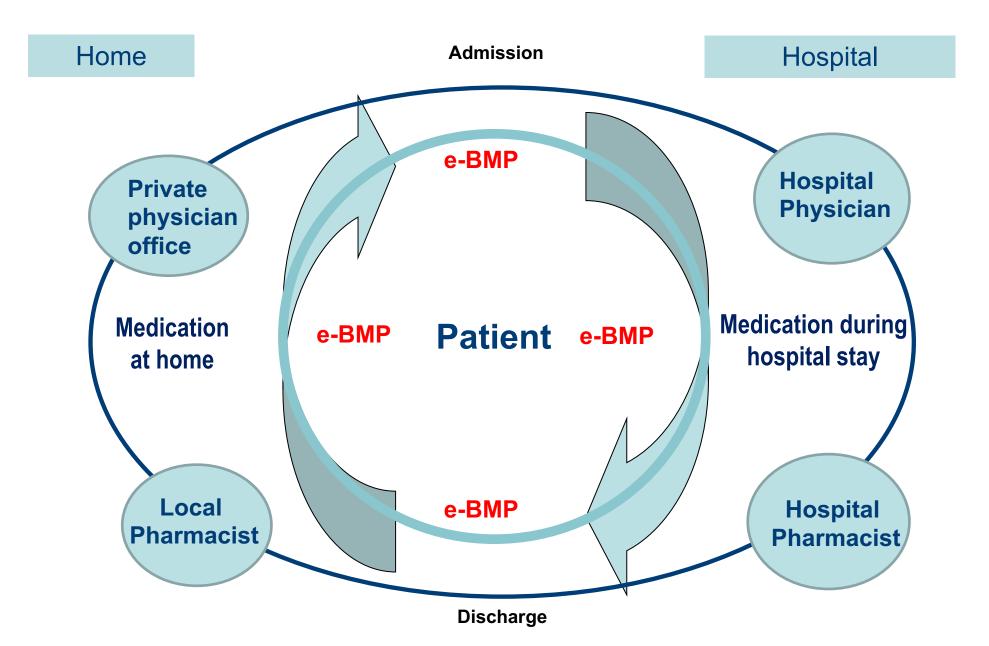


Wirkstoff	Handelsname	Stärke	Form	Mor gens	Mit tags	Abe nds	zur Nacht	Einheit	Hinweise	Grund
Verordnete Medikation										
Ramipril	RamiLich® 5mg	5mg	Tabl	1	0	0	0	Stck	unabhängig von den Mahlzeiten	Bluthochdruck
Hydrochlorothiazid	HCT - 1 A Pharma® 25mg	25mg	Tabl	1	0	0	0	Stck	zu den Mahlzeiten	Bluthochdruck
Simvastatin	Simvastatin dura® 20mg	20mg	Tabl	0	0	1	0	Stck	unabhängig von den Mahlzeiten, kein Grapefruitsaft, 1x/Tag	Erhöhte Blutfette
Selbstmedikation										
Magnesium	Magnesium Verla® 300 uno Orange Granulat	300mg	Gran	1	0	0	-	Beutel	in 1 Glas Wasser einrühren und trinken	Wadenkrämpfe
zeitlich befristete Medikation										
Clotrimazol	Antifungol® HEXAL® Lösung	10mg/ml	Lösung	2-3×	tägli	ch			auf die betroffenen Stellen auftragen, leicht einreiben	Fußpilz

Wichtige Hinweise

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Dr. rer. nat. Inga Ulmer
Dr. rer. nat. Claudia Mildner
Prof. Dr. rer. nat. Irene Krämer

Multizentrische Machbarkeitsstudie bei Patienten, Apothekern und Ärzten in Rheinland-Pfalz

Intersektorale Nutzung des bundeseinheitlichen Medikationsplans

Participants
601 Patients
189 General practitioners
4 hospital pharmacies
327 local pharmacies

2199 e-BMP 23,000 medication sets

Prospective multicenter study on the internetbased – intersectoral use of the nationwide standardized medication plan in hineland-Palatinate?

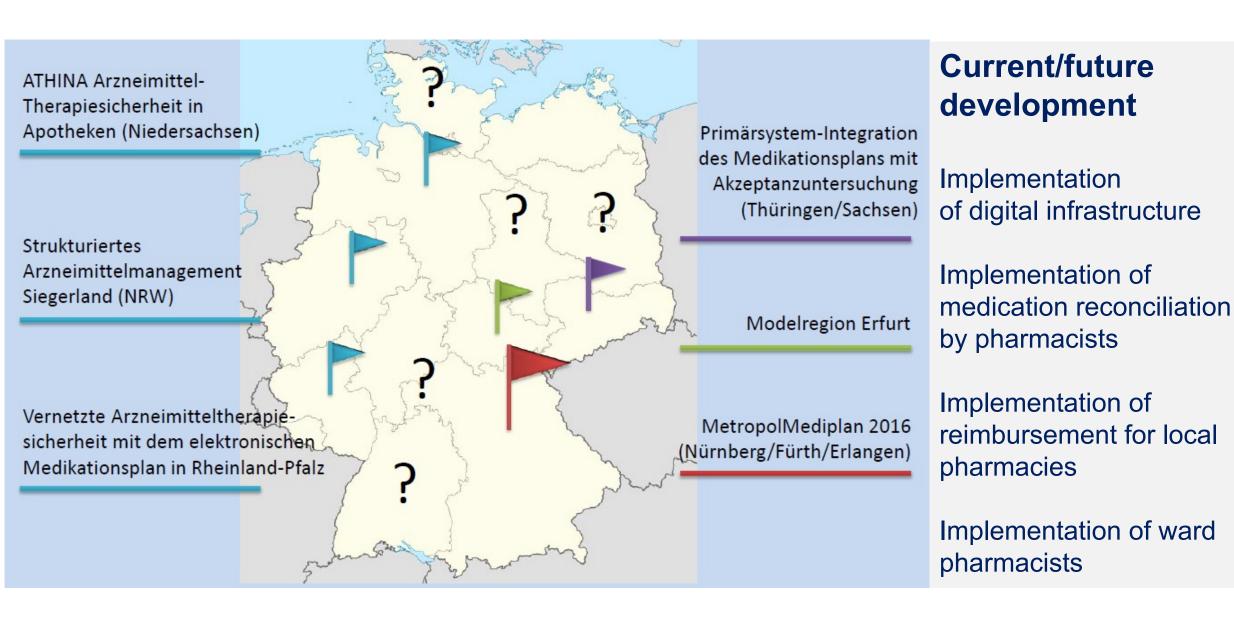
Electronic medication plans (eBMP) in the nationwide standardized version should improve infor-mation of patients and health care practitioners as well as medication safety. There is little evidence regarding the feasibility, practicality and acceptance of the eBMP. In a non-comparative, area-wide, multicenter intervention study in Rhineland-Palatinate a patient individual eBMP was compiled at hospital discharge by hospital pharmacists in a specifically implemented online portal. eBMPs were updated by general practitioners and local pharmacists. The primary endpoint, i.e. actuality of the eBMP after 6 months, was evaluated by matching the type and number of medications in the most recent electronic version and patients' reports. Secondary endpoints (practicality, acceptance, medication safety) were evaluated by using written questionnaires for patients, physicians and pharmacists.

From March 2015 to March 2016, 601 patients, 189 general practitioners and 327 local pharmacies were enrolled. During the pilot project, 2,199 medication plans containing about 23,000 medication sets (6.2% self-medication) were compiled. After a 6 months period for 13% of the reporting patients an updated eBMP was available in the online portal. Practicality and acceptance were acknowledged by patients, pharmacists and physicians. The eBMP is highly accepted as information and communication tool by patients, physicians and pharmacists. Availability of information technology and interoperability has to be improved.

Keywords

Standardized medication plan, online portal, acceptance, practicality, seamless care, interdisciplinary









Gaps in medication management at hospital transitions

Medication prescribing

- Different prescribing regulations
- Medication switches
- Different cost-benefit-ratio
- Different reimbursement
- Different levels of digitalization e-prescribing use of e-medication plan
- Data protection regulations
- Different development impetus, acceptance

Medication dispensing



- Different dispensing regulations
- Automatic substitution
- Different price ordinance
- Different reimbursement
- Different levels of digitalization dispensing of e-prescriptions use of e-medication plan
- Data protection regulations
- Different development impetus, acceptance



It is a long way to go...



Key messages

Standardized e-medication plans can be used as tool to facilitate transition of care services

Up-to-date e-medication plans represent a reliable information source about medication for patients, physicians, pharmacists

The implementation and use of e-medication plans is a big effort