2030 in perspective: Medication Therapy Management in Community Pharmacy

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Outline

In Germany
- The role of pharmacists today and in the future
- Pharmacy 2030 - perspectives
- Projects on medication management:
  - ARMIN/PRIMA, Apo-AMTS, ATHINA, Geriatric MR, WestGem, DIADEMA
- The challenge of implementation

Community pharmacy in Germany - facts

- Ownership is restricted to pharmacists.
- No restriction on the total number of pharmacies.
- License is required to own and to run a pharmacy.
- Pharmacist’s fixed-fee per prescription item is regulated.

Pharmacists in Germany

- Health care profession
- Freelance profession
- Merchant

The role of community pharmacists today

- Dispensing drugs (by prescription or self medication)
- Pharmaceutical compounding
- Providing information about drugs, their effects, dosing, application, possible side effects and drug interactions.
- AND: Managing a business

New perspective for German pharmacists

- In the annual meeting of German Pharmacist Day 2014 (House of Delegates) a large majority adopted the paper:

  “Pharmacy 2030 – Perspectives on provision of pharmacy services in Germany”

  The implementation process has been started!
The result of an opinion-forming process

Pharmacy 2030: Medication management

Medicine Analysis and Medicine Management

18. As an essential instrument for safe, effective and economical drug treatment, community pharmacies offer medicine management.

Changing the role for the future

» Pharmacists as experts in medicines
  » Providing patients with evidence-based consultation on medicines
  » Introduction of a systematic, individual medication management system
  » To achieve safe and efficient drug treatment

» Pharmacists in a healthcare professional network with clearly defined responsibilities!

The strategic implementation process

» Developing and defining a systematic medication management system
» Adjusting the structures of a comprehensive, high-quality and efficient pharmacy system for the challenges of the future
» Developing the possibilities of qualifications of future pharmacists

Instruments for the implementation

» Education/ Curricula
  » Medication safety education programs offered by each chamber
» Literature on medication management
» Software on medication management

Types of medication review

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<th>medication data</th>
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<th>clinical information</th>
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<td>1. Simple medication analysis</td>
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<td>2a. Intermediate medication analysis</td>
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ARMIN - an interdisciplinary project

To create and to update an electronic medication plan (MP) for the polypharmacy patient is the core element of the ARMIN medication management.

Clear responsibilities for pharmacists and physicians:

Pharmacists:
- Gathering of information on the whole medication (incl. Brown Bag Review)
- Identifying, evaluating and solving drug related problems
- Responsibility for OTC-drugs and correct brand names on the MP

Physicians:
- Prioritisation of the drug regimen (Check for Over- and Under-Prescribing)
- Assessing diagnoses, clinical data and outcomes
- Responsibility for Rx drugs on the MP

Pharmacists and physicians receive the same remuneration for providing the medication management.

Lessons learned - 1

Geriatric MR, ARMIN, ATHINA, Apo-AMTS, WestGem, DIADEMA:

- Pharmacists detected two drug-related problems per patient in average.1
- In more than 95% of the MR 2a pharmacists detected drug related problems or the patient needed more information.3
- Although most patients (80%) have a medication plan — the conformity between the official plan and the medication which was actually taken was only 6.5%. 4, 7
- Medication management reduces MAI-Score (Medication Appropriateness Index) and drug related problems depending on the intervention frequency. 2
- Pharmaceutical care reduces the HbA1c values in adolescent Type 1 Diabetes patients compared to usual care.6

Lessons learned - 2


- The collaboration between pharmacists and physicians has to be improved: Moderate acceptance rate of the pharmacists’ recommendations.
- In a professional health care network more than 50% of the pharmacist’s recommendations were accepted by the doctors.

Our experience:
- The pharmaceutical knowledge varies between pharmacists. Educational and pharmaceutical support must be secured. Communication skills of pharmacists have to be improved.
Definition: A printable document for the patient. It specifies the complete medication (Rx, OTC) [...]. The MP facilitates the correct administration of the medication after patient counselling in the pharmacy.¹

- Complete and up-to-date MP:
  - Overview of the entire medication
  - Of central importance for medication safety

- Patient: to avoid misunderstandings
- Health care professionals: identify and avoid drug related problems


Conclusions

The interdisciplinary communication and cooperation of physicians and pharmacists have to be improved.

Software support is necessary for an efficient medication management and secure communication between health care professionals.

Pharmacists need to receive appropriate reimbursement for these additional pharmaceutical services.

Politics and health insurance funds have to be convinced of the benefits of an interdisciplinary medication management.

A MP is part of the „Action Plan for Medication Safety“ (required by the German Federal Ministry of Health)

- A specification defines requirements regarding form and content → standardization
- Adaption after testing → readability/understandability
- Nationwide implementation planned
- Implementation in practice and pharmacy software
- Feature: 2D Barcode to enable digital communication without a telematics infrastructure

Now, it is your turn – German pharmacists!

- The implementation and development of cognitive pharmacy services have to take place in a large number of community pharmacies!
- Let the patients experience an individual medication management!
- After the university degree – pharmaceutical education never ends (lifelong learning).
- It is time to bear responsibility and to move towards the role of a medication manager!

LET’S START NOW!

Thank you for your attention!