

Pharmaceutical Ward Management in Switzerland in 2022

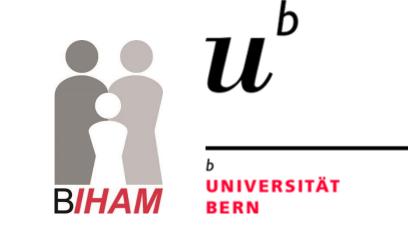


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BACKGROUND

Hospital pharmacy is increasingly taking on tasks on hospital wards, called



Results

Number of Services on the wards publications Medication Reconcilliation 2 Best possible medication history 2 Prescription double-check 4 3 Supporting pharmacists Logistical ward management 6 Delivery preparation 2 Tech-check-tech 6 2 Delivery Medication administration 4

"pharmaceutical ward management" (PSM), thereby supporting drug supply and improving medication safety. The PSM Working Group of the Swiss Association of Public Health Administration and Hospital Pharmacists GSASA serves as an exchange platform to coordinate and support various activities in order to promote PSM.

OBJECTIVES

The aim of this master's thesis was to record the development of PSM since 2017, its current status and development potential in Switzerland through a structured online survey, to collect and analyze the activities of different hospitals.

- Articles for screening: title 1714 – abstract 316 – fulltext 60
- Articles in included: 16 publications
- Origin: 8 countries

United Kingdom (6 articles), United States (3), Australia (2), Canada, Danmark, France, Netherlands, New Zealand (1)

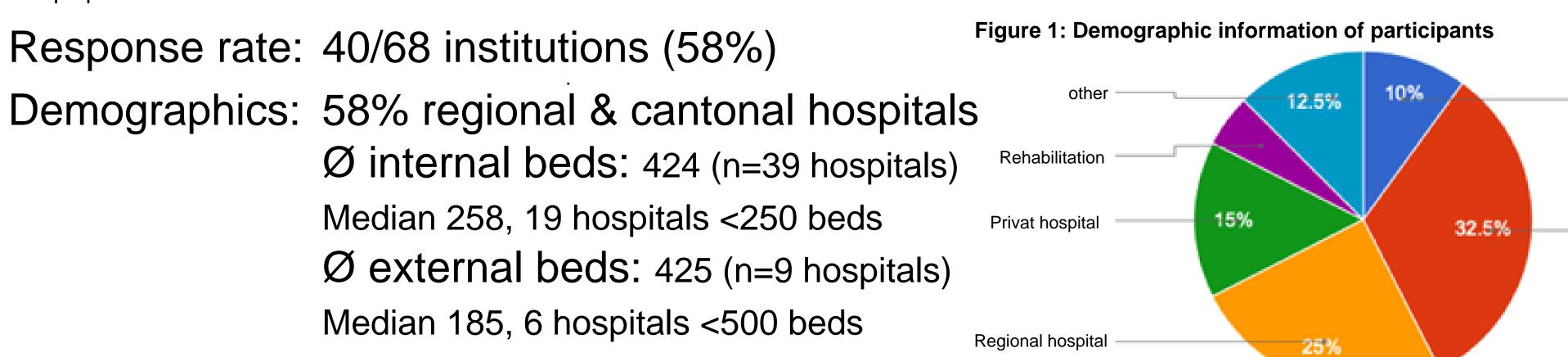
- Types of publication: 6 (author-reported) observational study (4), survey (3), quantitative study (2), interventional study (2), mixed methods study (2), report (2), qualitative study (1)
- 7 articles published during the last three years

Table 1: Most common ward-based services by technicians

University hospital

Cantonal hospital

Online survey



METHODS

Table 1: Development of ward-based services 2017 - 2022



Scoping review

in PubMed and Embase databases, searching for articles addressing the activities of pharmacy staff on the wards.



Practical experiences through five hospital visits in Switzerland.



3. Online survey (using Findmind®) compiled based on a comparable survey from 2017, extended and optimized with the expertise and experience of the members of the Swiss Society of Health System and Hospital Pharmacists (GSAS) **PSM** Working Group and

	Pharmacists	Pharmacy technicians	Logisticians ¹	Other pharmacy personnel
Job percentages per hospital pharmacy [%]	Ø 2017: 260 Ø 2022: 598 Median 2022: 440	Ø 2017: 330 Ø 2022: 835 Mediaĭjí 2022: 770	Ø 2017: - Ø 2022: 286 Median 2022: 200	Ø 2017: 210 Ø 2022: 245 Median 2022: 280
Job percentages per 100 beds in the hospital network [%]	Ø 2017: 114 Ø 2022: 112	Ø 2017: 140 Ø 2022: 157	Ø 2017: - Ø 2022: 54	Ø 2017: 90 Ø 2022: 46

¹ In the 2017 survey, logisticians were counted as "other pharmacy personnel".

- 73% of the participating hospital pharmacies are active on the wards (2017: 61%).
- In particular, hospital pharmacy is increasingly involved in taking medication orders, putting away drug deliveries and checking expiry dates on the ward (plus 20-25%) since 2017).
- > This has been achieved due to **new buildings** and renovations, digitalization and technical advances, and improved interprofessional collaboration.
- Increasing involvement in medication preparation by pharmacy technicians. In 10/37 institutions (27%), pharmacy technicians perform patient-specific medication-

addressed to all 68 hospital pharmacies in Switzerland.

Acknowledgments

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preparation.

- **Double check** of medication prepared by pharmacy technicians is still done by nurses exclusively.
- In 86.2% of the institutions, a (partially) **improved integration of the hospital** \bullet pharmacy into the ward team was observed due to the expansion of the PSM.
- Most important facilitating factors: communication, technology, trust, nursing shortage. Stumbling blocks: lack of financial resources, shortage of hospital pharmacy personnel.

DISCUSSION & CONCLUSIONS

The future of PSM will continue to evolve and change. To be successful, a good interplay of various facilitating factors is central. For support, the PSM working group of the GSASA has developed various tools: a guide for the introduction and expansion of PSM, and a network matrix with experienced contact persons for cross-institutional exchange, accessible to members on www.gsasa.ch.