

14th PCNE working conference

5th – 8th February 2025





















Interventions to enhance medication adherence in community pharmacy – How to develop efficient strategies with self-report questionnaires such as the 15-STARS?

14th PCNE working conference, Feb 5-8, 2025 Innsbruck

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Agenda and Schedule - Overview

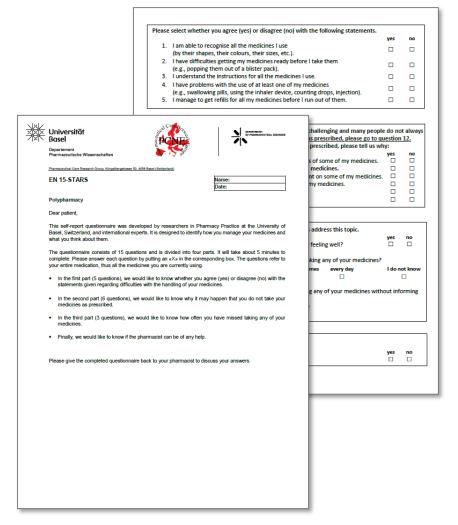
Wednesday 05/02 14:30-16:30	2h	Welcome, Setting the scene Background information	inputs
Thursday 06/02 10:00-12:00	2h	m-health, adherence apps	inputs from Kirstin & Gabriel group discussion
13:00-15:00	2h	Counselling on adherence apps	group work
Friday 7/02 10:00-12:00	2h	Selecting patient, profiling	group work
13:00-16:00	3h	Recruiting patient, delivering intervention	inputs from Kirstin role play
Saturday 8/02 10:00-11:00	1h	Generating a flow-chart	group work



- 13 countries
- 3 moderators
- 2 co-moderator PhD
- 7 PhDs
- 2 comm pharmacists
- 3 prof
- 1 director

15-STARS: Screening tool for non-adherence

- Aim of screening for:
 - extent of missed doses
 - → identify patients with difficulties
 - *identify reasons* (modifiable and unmodifiable)
 - enable to define targeted interventions



Arnet I. et al. RSAP 2024; 20 (3): 308-20

15-STARS - Translated versions (January 2025)

Target language	Country	Coordinator	
Albanian	Kosovo	Kreshnik Hoti	
Arabic	Jordania	Mohanad Odeh	
Bulgarian	Bulgaria	Maria Kamusheva	
Croatian	Croatia	Iva Mucalo	
Danish	Denmark	Rikke Nørgaard Hansen	
Dutch	The Netherlands	Rik Ensing	
English validation study	Ireland	Laura Sahm	
French validation study	Switzerland	Isabelle Arnet & Claude Hostert-Pfeiffer	
CH-German validation study	Switzerland	Isabelle Arnet & Christiane Eickhoff	
D-German	Germany	Manfred Krüger & Viktoria Wurmbacher	
Lithuan	Lithuania	Ramune Jacobsen	
Mandarine	Taiwan	Yen Ming Huang	
Portugese	Portugal	Joao Gregorio	
Slovakian	Slovakia	Patricia Schnorrerova	
Spanish	Spain	Pilar Modamio	
Finnish	Finland	Emma Aarnio	
Hungarian	Hungary	Tamas Agh	
Norwegian	Norway	Liv Mathiesen	
Polish	Poland	Anna Golda	
Romanian	Romania	Cristina Ghiciuc	
Greek	Greece	Marios and Aristotelis	
Turkish	Turkey	Cansu Goncuoglu	
	Albanian Arabic Bulgarian Croatian Danish Dutch English validation study French validation study CH-German validation study D-German Lithuan Mandarine Portugese Slovakian Spanish Finnish Hungarian Norwegian Polish Romanian Greek	Target language Albanian Kosovo Arabic Bulgarian Croatian Danish Denmark Dutch English validation study French validation study CH-German validation study Lithuan Mandarine Portugese Slovakian Spanish Finnish Hungarian Norwegian Polish Romanian Greek Kosovo Kosovo Kosovo Kosovo Kosovo Kosovo Bulgaria Kosovo Sulgaria Bulgaria Bulgaria Sulgaria Sulgaria Sulgaria Sulgaria Sermank Switzerland Switzerland Switzerland Fermany Lithuania Taiwan Portugese Portugal Slovakian Slovakia Spanish Finland Hungary Norway Poland Romania Greece	

Done!

Ongoing

Output Wed 05/02 List of adherence interventions in 13 diff countries

	I	II	III	IV	V	VI	
	Simplify tt plan, perform MUR*	Use pillbox, alarms, apps, reminders, connect to daily routine, unit dose	Organise social support (family, friends)	Change the beha- vior	Improve knowledge, educate, use tt card / med plans, written material, psychocognitive	Learn from el. measures	Talk to care- givers, cooperate with nursing homes
Т1	✓	(√)	✓	Ве	✓		
T 2		√			✓		√
Т3	✓	√	✓		✓		

Table 1: Bulgaria, Slovakia, Turkiye, Belgium, Taiwan

Table 2: DACH + Iceland

Table 3: Slovenia, Spain, Luxemburg, Greece

(): not common practice

* structured or unstructured





Quality criteria of mhealth-apps:

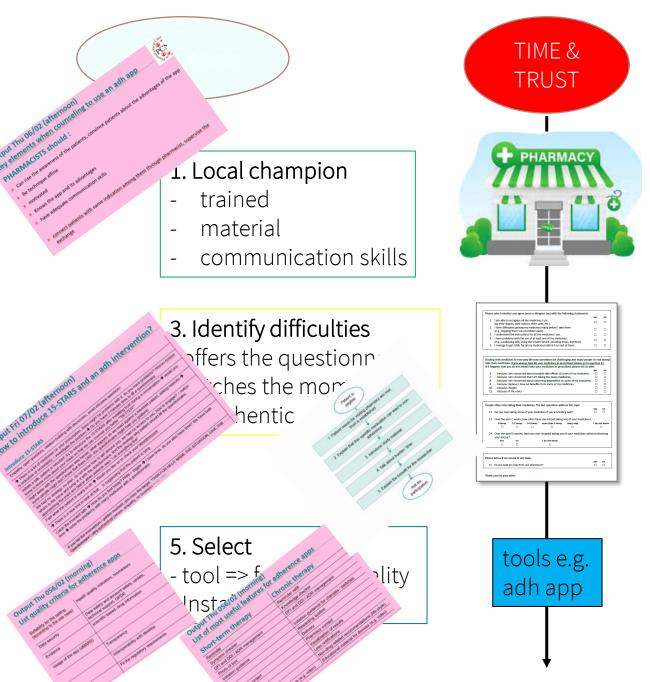
a step-by-step approach to find a suitable adherence-app

I. Binder, G. Rediker, V. Wurmbach, H. Seidling
Cooperation unit clinical pharmacy; Internal Medicine IX – Dept. of Clinical
Pharmacology & Pharmacoepidemiology
Heidelberg University Hospital
Im Neuenheimer Feld 410, 69120 Heidelberg



according to criteria from Santo 2016 and patients

Recruitment strategies in community pharmacies



2. Identify / recruit patient

- => characteristics
- => short-term / chronictreatr

4. Solve difficulties

- analyses the results
- offers a targeted intervention

6. Follow-up

- re-analysis of adh difficulties
- e.g. reinforce use of the app
- • •

Next steps for the 15-STARS

Work on a roadmap including:

- Update the PCNE website section "Working Group Med. Adherence"
 disseminate information on
 - Available translations (and the ones "in process")
 - Running projects
 - Finalized projects and available results / publications
 - Conditions to use the 15-STARS
- Facilitate communication among interested researchers & practitioners
- Discuss and evaluate experiences in projects