

PIM-CHECK

Development of the first electronic prescription-screening checklist to support healthcare professionals in the detection of potentially inappropriate medication

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« Hospital Pharmacists – Catalysts for change »
Good Practice Initiative oral presentations
GPI CPS4977
Thursday, 23 March, 12:00 pm – 1:00 pm



What was done? Why was it done?



Medication errors

6-7% of hospital admissions are medication related^{1, 2, 3}

> 2/3 are avoidable and potentially due to medication errors^{1, 2}

44,000 - 98,000 Annual deaths from medical error among hospitalized patients (US)⁴

- + Over-prescriptions
- Under-prescriptions
- ⚡ Interactions
- ⚠ Others

Electronic prescription-screening checklist to detect PIM



EBM
EVIDENCE-BASED MEDICINE



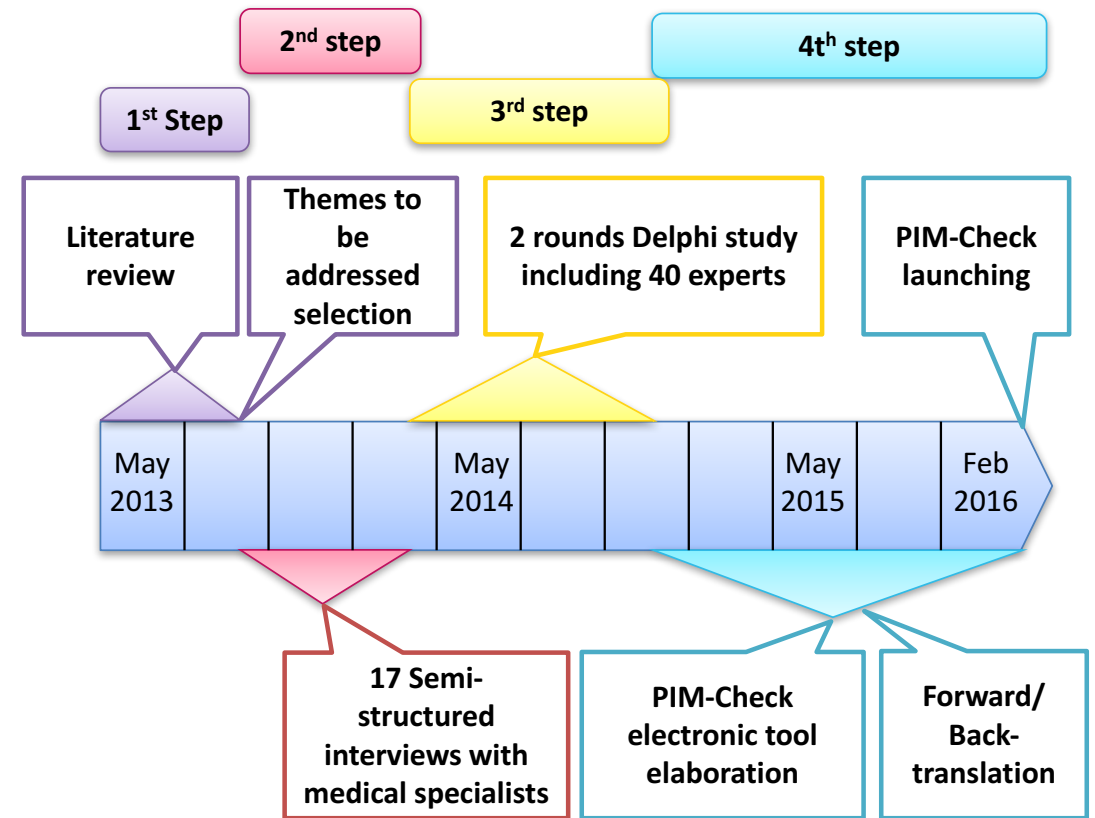
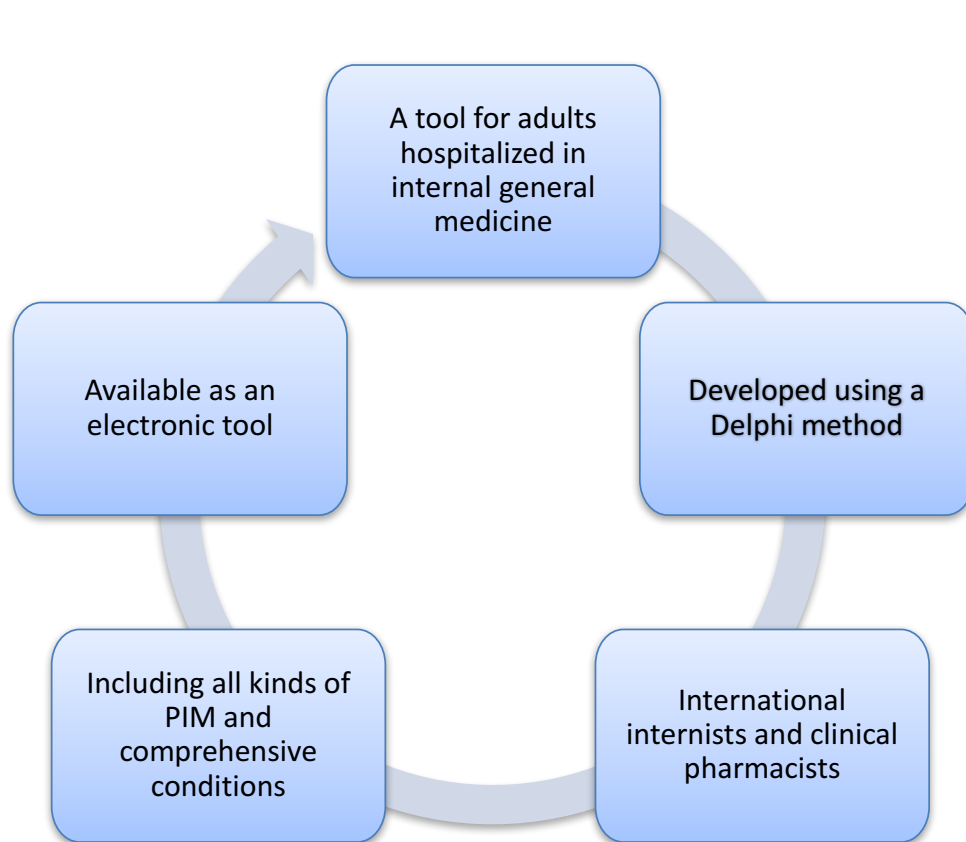
PIM: Potentially Inappropriate Medication

1. WHO, Medication Errors. 2016 // 2. Patel KJ, BMC Clin Pharmacol. 2007

3. Pirmohamed M, BMJ. 2004 // 4. IOM, To Err Is Human The National Academies Press, 2000



How was it done ?





https://youtu.be/0fS_KraqGVA



What has been achieved?

Electronic Device



Contents and functionality

17 specialities, 56 pathologies
160 items

333 references, 29 useful links

Functions : **Screening**
Formation

Audience



> **100.000 connections**
in 1 year



> **7100 connections**
per month



> **66 countries**

1st assessment



109 patients: PIM-Check
displayed > **30 % of DRPs** among
which >**73% at moderate or high**
risk for patients



Useful, easy, rapid to use, user
friendly design¹



DRPs: Drug related problems

1. Blanc AL, et al. PIM-CHECK used by physicians to reduce drug related problems in internal medicine.

22nd EAHP Congress. Poster CP-029



What next?



Scientific

Collaborative

Technological



Validation



Update



International



Start-up, business
incubator, public-private
partnership



App



Electronic health records
integration

THANK YOU FOR YOUR ATTENTION

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