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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22nd Congress of the EAHP
« 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?

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) \(^4\)

Electronic prescription-screening checklist to detect PIM

Medication errors

\(+\) Over-prescriptions

\(-\) Under-prescriptions

\(!\) Interactions

\(!\) Others

PIM: Potentially Inappropriate Medication


How was it done?

A tool for adults hospitalized in internal general medicine

Available as an electronic tool

Developed using a Delphi method

Including all kinds of PIM and comprehensive conditions

International internists and clinical pharmacists

1st Step

Literature review

2nd step

Themes to be addressed selection

3rd step

2 rounds Delphi study including 40 experts

4th step

PIM-Check launching

May 2013

May 2014

May 2015

Feb 2016

17 Semi-structured interviews with medical specialists

PIM-Check electronic tool elaboration

Forward/Back-translation
What has been achieved?

https://youtu.be/0fS_KraqGVA
What has been achieved?

**Audience**

- > 100,000 connections in 1 year
- > 7,100 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

**Contents and functionality**

17 specialities, 56 pathologies
160 items
333 references, 29 useful links

Functions: Screening, Formation

**Useful, easy, rapid to use, user friendly design**

1. Blanc AL, et al. PIM-CHECK used by physicians to reduce drug related problems in internal medicine. 22nd EAHP Congress. Poster CP-029
International Start-up, business incubator, public-private partnership

What next?

Scientific

Validation

Update

International

Technological

Start-up, business incubator, public-private partnership

App

Electronic health records integration
THANK YOU FOR YOUR ATTENTION

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