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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Why it was done

• 8.8% of medication orders contain ≥1 medication errors1
• Potentially inappropriate medication (PIM)=
  - under-prescriptions
  - over-prescriptions
  - interactions
  - wrong choice of medication
→ Risk factor for medication errors2

What was done

Development of the 1st Electronic prescription-screening checklist to detect PIM

What was achieved

• Since the launching in Feb 2016
  >95.000 connections,
  >66 countries
  >7.100 connections/month
• 1st assessments
  • 109 patients: PIM-Check displayed > 30% of DRPs
  >73% at moderate or high risk for patients3

How it was done

Literature review
2 rounds Delphi study 40 experts
PIM-Check launching
May 2013
May 2014
May 2015
Feb 2016
17 Semi-structured interviews
PIM-Check electronic tool elaboration

Functions

Screening PIM according to comorbidities or treatments
Favourite items
Items list Including formation function

Target users

• Cliniciens
• Clinical pharmacists
• Students / Residents / Young healthcare professionals

www.pimcheck.org

Content

• 17 specialties
• 56 pathologies
• 160 items
• 333 references
• 29 useful links

What is next

Scientific perspectives
• Validation studies
• Update

Technological perspectives
• App development (offline access)
• Electronic health records integration

Collaborative perspectives
• International hospital
• Start-up, business incubator, public-private partnership


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