SELECTION OF PATIENTS FOR PHARMACEUTICAL MEDICATION MANAGEMENT

DEVELOPMENT AND IMPLEMENTATION OF A DIGITAL POINT-BASED TOOL IN ELECTRONIC PATIENT JOURNAL SYSTEM

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BACKGROUND

Pharmaceutic resources are limited, and it is not possible that every patient is seen by a pharmacist for a medication review. Therefore, the patients are normally screened by different parameters such as age, reason for inquiry, hospitalization-time or by physicians' request. This leaves a potential group of patients who do not fit these parameters, but who could benefit from a pharmaceutical medication review. Because of the limited resources, it is important that pharmacists spend the time on the most relevant patients.
After the medication review, the pharmacist can make a written or oral intervention for the physician describing medication related problems and possible solutions.

AIM

To develop and implement an electronic point-based tool for pharmacists to use when selecting relevant patients for medication review.

PROCES

PHARMACISTS DECIDED PARAMETERS TO CLASSIFY THE PATIENTS

eGFR
20 points: 0-30 ml/min
10 points: 30-60 ml/min

Number of medical treatments
20 points: > 10
10 points: 5 – 10

Risk-situation-drugs
10 points: ≥ 1 of the following: opioids, antidiabetics or bloodthinners

Triple whammy:
20 points: ACE/AT2-inhibitors + diuretics + NSAID

Anticholinergic burden
20 points: ≥ 5 points*
10 points: 3 – 4 points*
*List from Danish Health Orginazation

POINT-BASED TOOL WAS PRESENTED AND IMPLEMENTED IN 'SUNDHEDSPLATFORMEN' BY EPIC

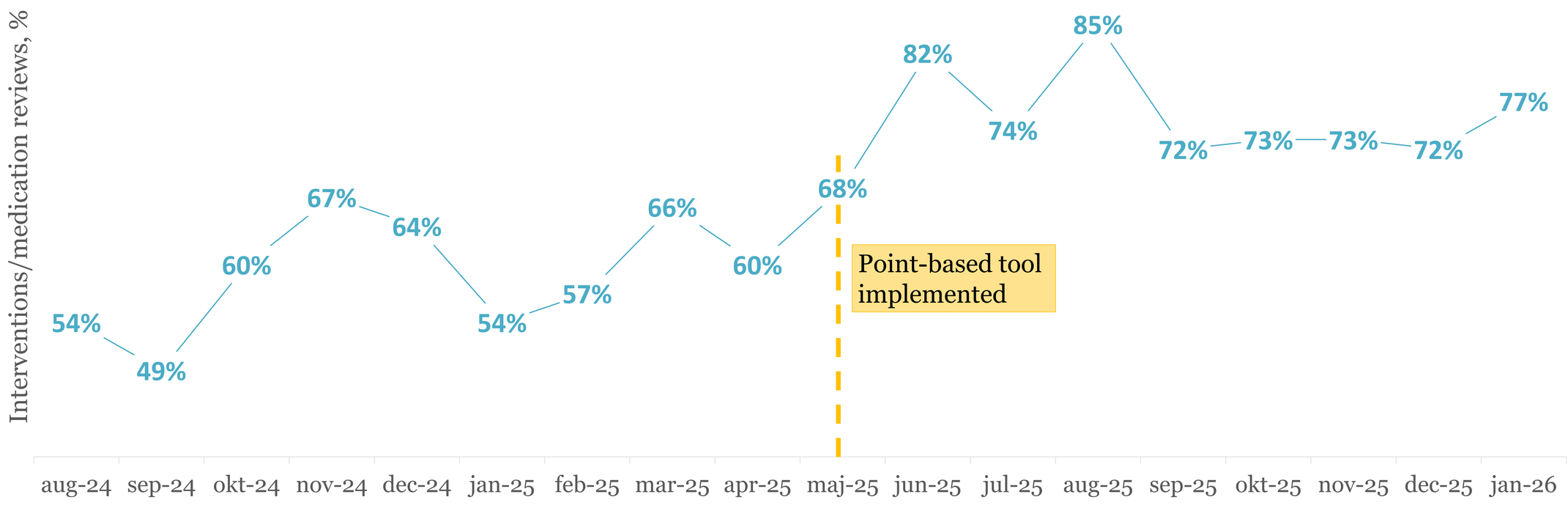
Score
60

10	eGFR til SLA akut
20	Antal lægemidler til SLA Akut
10	Risikosituationslægemidler til SLA Akut
0	Triple whammy til SLA akut
20	Antikolinerg byrde til SLA akut

When hovering over the score in the patientlist, the distribution of points is showed

THE PHARMACISTS DEVELOPED A NEW WORKFLOW PRIORITIZING PATIENTS WITH THE HIGHEST SCORE

RESULTS



The graph shows the percentage of interventions (written-/oral-/written+oral-interventions) relative to medication reviews

Score
60
50
50
50
50
50
50
50
50
40
40
40
40
40
40
40
40
40
40
40
40
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30

CONCLUSION

Incorporation of the digital point-based tool in EPJ makes it easy to see every patient's point-score and thereby makes patient-prioritization very user-friendly. The increase in rate of interventions (from 56% to 76%), indicates that the pharmacists are prioritizing time on pharmacist-relevant patients.

eahp
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