SATISFACTION OF PHYSICIANS AND HOSPITAL PHARMACISTS OF A HYPERSENSITIVITY **DOCUMENTATION TOOL WITH DE-LABELING** FEATURE IN CLINICAL PRACTICE

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Poor drug hypersensitivity (HS) documentation in patient records



hypersensitivity reactions



We developed & implemented a new structured & coded HS documentation tool in May 2022¹



It includes a novel de-labeling feature to

improve accuracy & specificity in recording



Example of the new HS tool

Category	Medication
Medication	
Reaction(s)	

Onset symptoms

O Unknown



- <6h after first administration
- >6h after first administration

Initial reaction



O Year

Age patient

Diagnosis status

- Negative test(s) (inactivate hypersensitivity)
- Taken without problems (inactivate hypersensitivity)
- O Only info via patient
- Clinical observation by physician
- Confirmed by test(s)

Satisfaction of clinical pharmacists & physicians with the new HS tool was evaluated 11 months after implementation in clinical practice

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System Usability Scale (SUS)² was used to evaluate satisfaction (range 0 - 100)

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Reported remarks & suggestions for the new tool



35% indicated prescribing medication to which patients have an allergy

28% indicated being familiar with de-labeling HS



HS is sometimes difficult to distinguish from a side effect (e.g. red rash during vancomycin administration). Of the latter, I would doubt what it is. Therefore, it might be better to make it a unified tool anyway?



It should be more obvious if there is a documented allergy & if so, please include pop-up notifications.

 Tackling non-use among potential users is crucial Additional training & tool optimization, including alerts, are needed Balancing HS documentation & physician workload is challenging

Clinical pharmacists are motivated users

Involving them could reduce the time burden for physicians & improve accurate documentation of HS

¹ Muylle K.M., et al. Usability of Graphical User Interfaces With Semiautomatic Delabeling Feature to Improve Drug Allergy Documentation. JACI in Practice. 2023 ² Brooke J. SUS: A Retrospective. *Journal of Usability Studies*. 2013