Attention information modelled in openEHR

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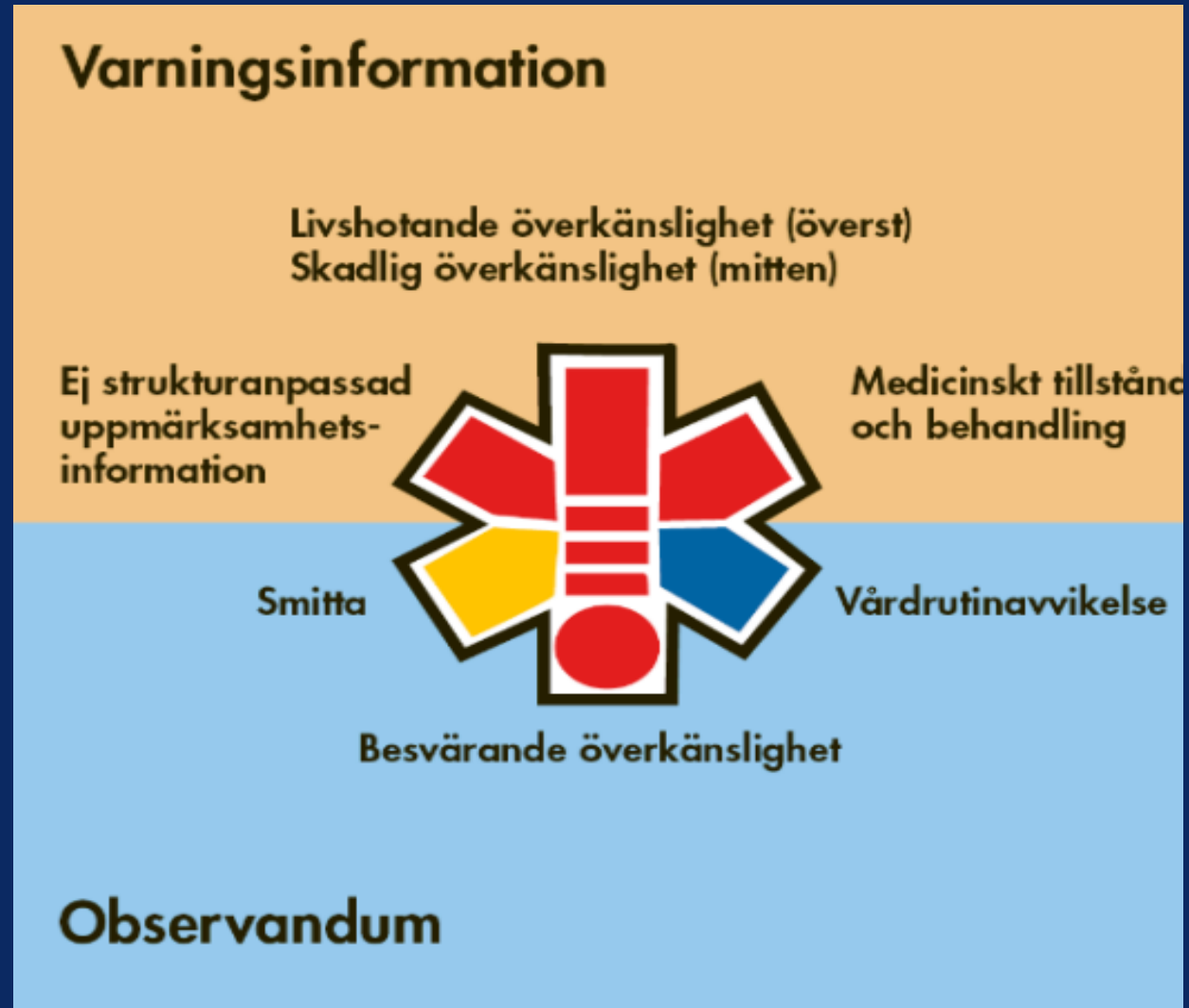
Informatician
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Attention information

information in a patient record that needs special attention.

Patient's health conditions that may affect the management of health care

- Compulsory information in EHRs
- Sends to national service National Patient Overview

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Attention information symbol

Attention information symbol

Allergy reactions and hypersensitivity to chemicals, food, drugs and other substances

- Other medical conditions (ex.: Addison disease, pulmonal hypertension, etc)
- Treatments (ex.: anticoagulant treatment, chemotherapy, etc)
- Presence of implants
- Presence of transplants

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Attention information symbol (cont.)

Special care routine (ex.: participant in the clinical trials, The patient does not accept blood or plasma transfusion, etc)

- presence of infectious agent (ex.: methicillin resistant Staphylococcus aureus (MRSA), vancomycin-resistant enterococci (VRE), etc)
- Occurrence/presence of infectious disease (blood transferable diseases in pregnant)

Unstructured old attention information

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Attention information specification

- The National Board of Health and Welfare

- National working group (clinicians, representatives of all 21 regions)

- New release in December yearly

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Uppmärksamhetsinformation Annat medicinskt tillstånd (1.2.752.116.3.1.16.1.1)

	Annat medicinskt tillstånd ICD-10-SE (1.2.752.116.3.1.16.1.1.1)	59821000052101 | urval medicinska tillstånd, uppmärksamhetsinformation |
Annat medicinskt tillstånd	**ICD-10-SE: Uppmärksamhetsinformation Annat medicinskt tillstånd**	**Snomed CT: Uppmärksamhetsinformation Annat medicinskt tillstånd**
Angioneurotiskt ödem	T78.3 Angioneurotiskt ödem	41291007
Långt QT-syndrom (LQTS)	I49.8E Långt QT-syndrom	
Pulmonell hypertension		
Addisons sjukdom		

Behandling ICD-10-SE (1.2.752.116.3.1.16.1.2.1)

	Behandling ATC (1.2.752.116.3.1.16.1.2.2)	ICD-10-SE: Uppmärksamhetsinformation Behandling
Behandling	**Behandling ATC**	
Antikoagulantiabehandling	B01AA Vitamin K-antagonister	Z92.1 Långtidsanvändning (och pågående användning) av blodförtunnande medel i den egna sjukhistorien
	B01AB Heparingruppen	
	B01AE Direkt trombinhämmande medel	
	B01AF Direktverkande faktor Xa-hämmare	Z92.1 Långtidsanvändning (och pågående användning) av blodförtunnande medel i den egna sjukhistorien
	B01AA03 Warfarin	
behandling	tiska medel	

National openEHR group

- Implementation guide

- How to model? What archetypes to use?

- Tiggers? Rules to turn on/switch off?

- Manually/automatically?

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Implementation guide so far…

- Primary source – the system the information has been documented initially

- Secondary source – collection of curated lists and specially designed structures

- Important: rules to switch off the info in the symbol (manually? automatically?)

- Work with one spike at a time

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Implementation guide so far…

Difficulties:

- Mapping between the code systems (ATC, ICD-10 and SNOMED CT) are not consistent/not complete) - what code system to prefer

- No routine in health care to disactivate a diagnosis. No status for ICD-10 codes (active/not active). No status in the EVALUATION archetype

- …….

- Lack of resources to pace up the work

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THANK YOU for your attention!

QUESTIONS?

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