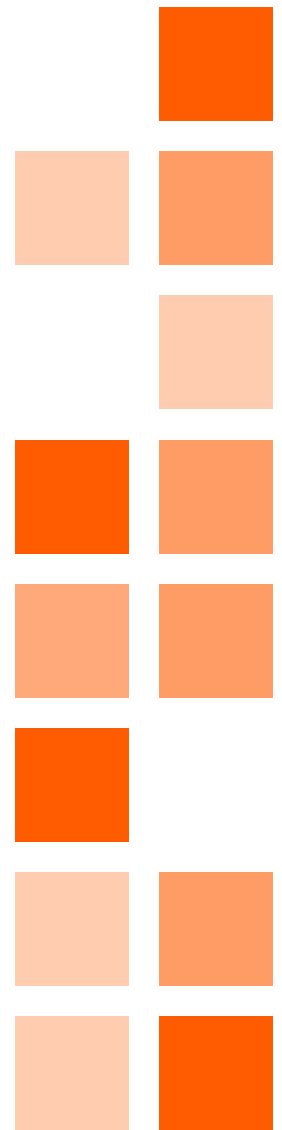


E-Prescribing in the Netherlands

*National ICT Institute for
Healthcare (NICTIZ)*

ir. Michael Tan



NICTIZ

Objective

Effectiveness & Quality of Healthcare

EPR / Application integration

Financial/ Administration

Care logistics

Medication record
EPR

Pharma Compas
Knowledge & Science

Policy & Steering

AORTA

Certification

Care ISP's

Business model

Law & Regulations

Specs

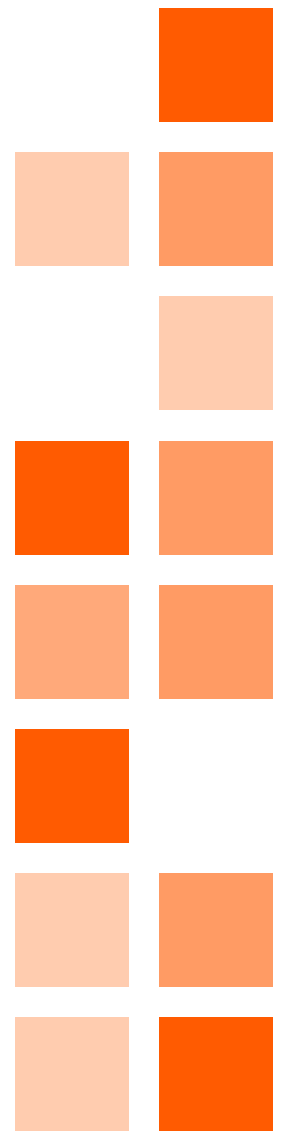
Security

National switchpoint

Datacom

Unique identification

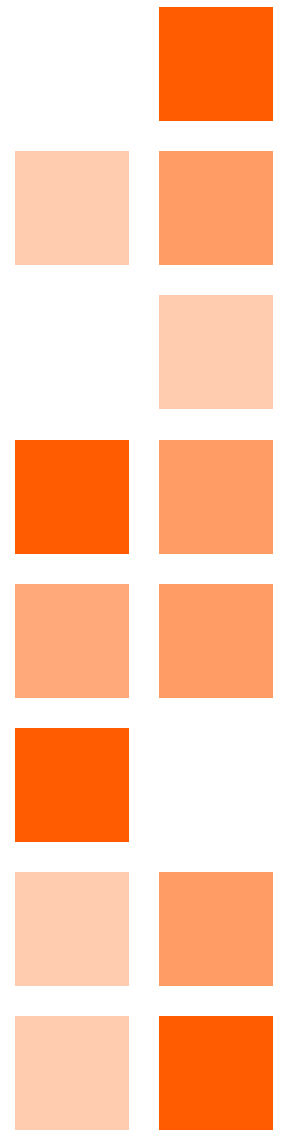
Architecture



NICTIZ

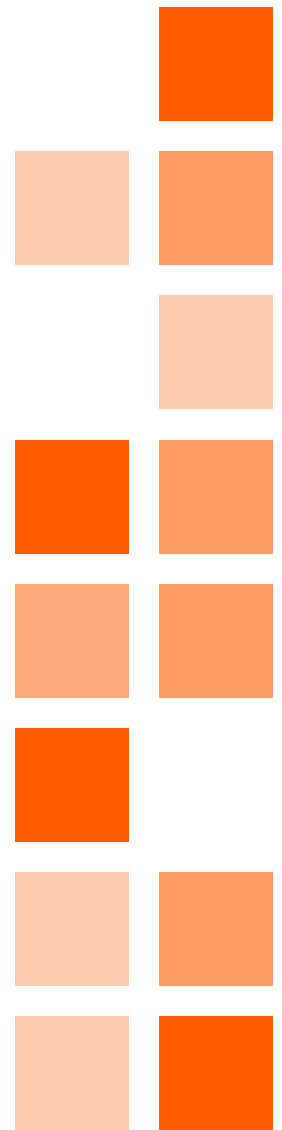
Focus on Medication Domain

- Target for 2006
 - Nationwide medication information based on dispense history.
 - E-prescribing is essential in the process.
- Business case
 - 90.000 cases of avoidable medication errors per year
 - Costs of € 300 million per year
 - Estimated 1500 to 3000 deaths/annum

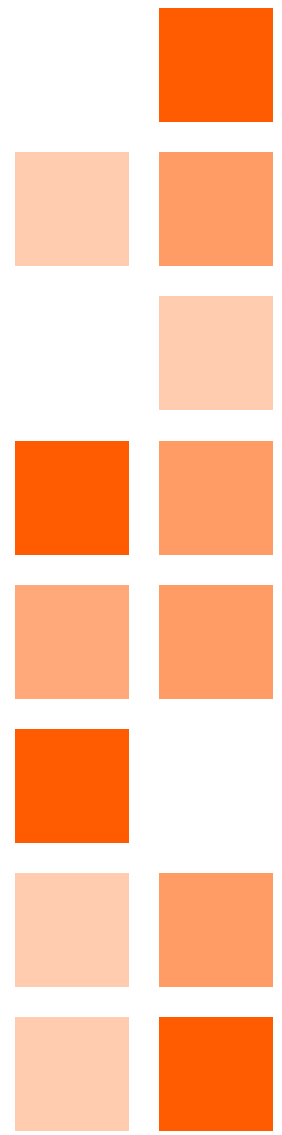
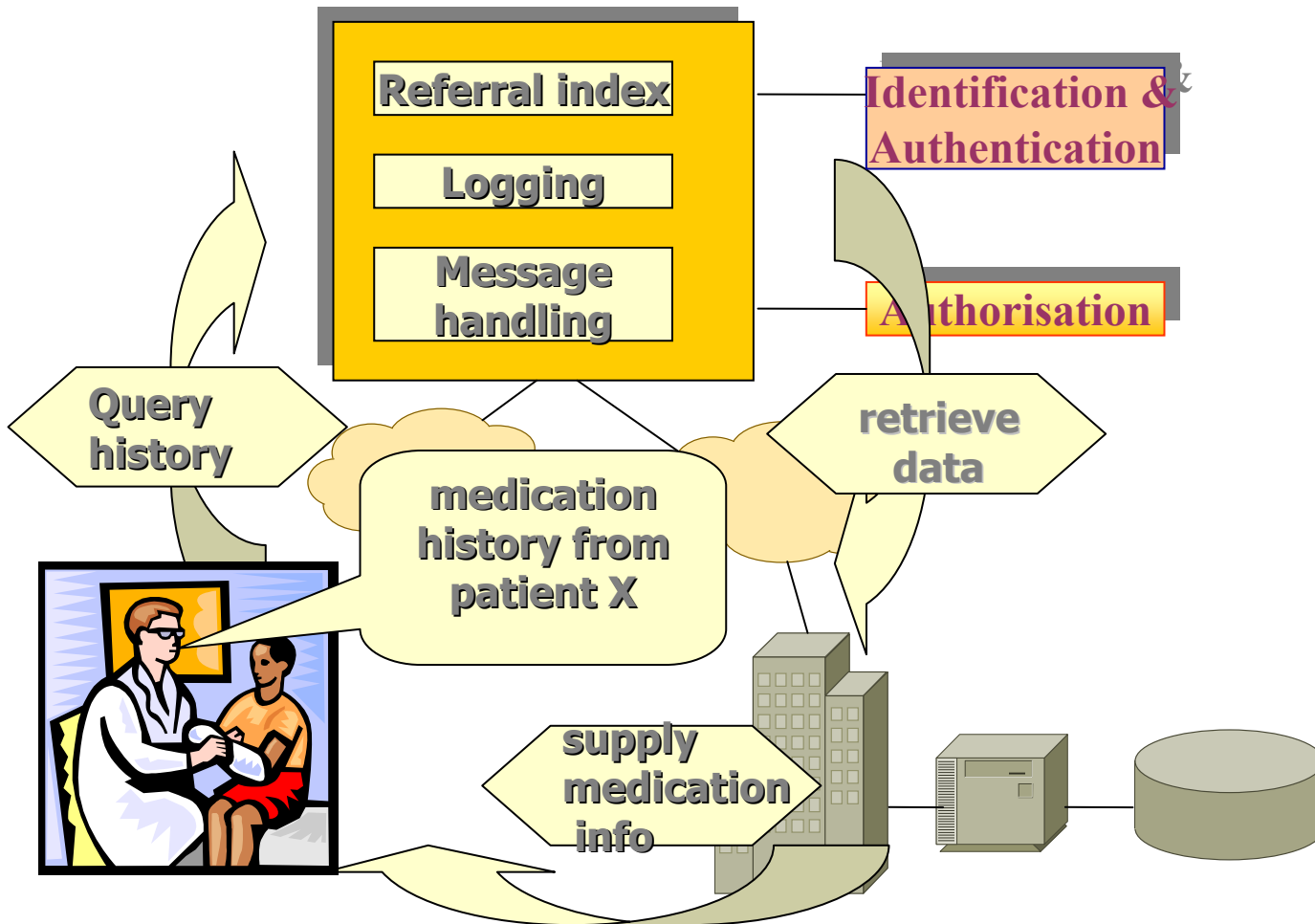


The Proces of Prescribing

- Patient contact at Prescriber
 - Diagnosis
 - Review of Medication history
 - Selection of medication with aid of formulary
 - Review on contra-indications, allergies and interactions
 - Issue the electronic prescription (generic medicine)



Review proces



Formulary

Prescriptor Bestand Bewerken Beeld FTTO Help
Niklas Holmberg - 28j, 3mnd - (M)
Lomanstraat 59, 1075 PW Amsterdam, 020-5754660

NHG-Standaard Patiëntenbrieven

Indicaties (1/7)
Migraine

Nhg-Evs-1

Therapie_schemas (3/6)
Aanvalsbehandeling:Stap 3: ergotaminepreparaat of serotoninereceptoragonist

Algemene tekst Stappenplan Farmacotherapie

Therapie_glusters (3/3)
Niet-medicamenteuze adviezen ergotaminepreparaat(-Ce) serotoninereceptoragonist

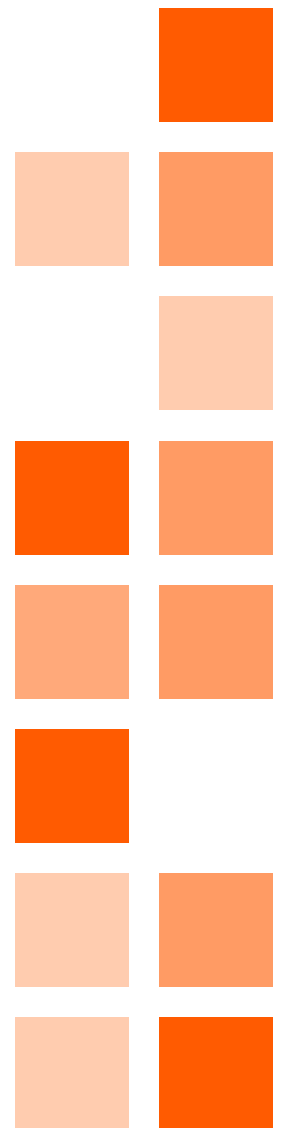
Kompas

sumatriptan (1/2)

Soort	Status	R/	d.	Dosering
G	-C	SUMATRIPTAN 100MG TABLET	6 ST	1-3 x per dag 1 tablet bij een aanval zo nodig na minimaal 1 uur herhalen niet meer dan 3 keer per dag
G	-C	SUMATRIPTAN 12MG/ML INJVLST	1 ST	1-2 x per dag 1 ampullen bij een aanval gebruiken volgens aanwijzingen van de bijsluiter zo nodig na minimaal 1 uur herhalen

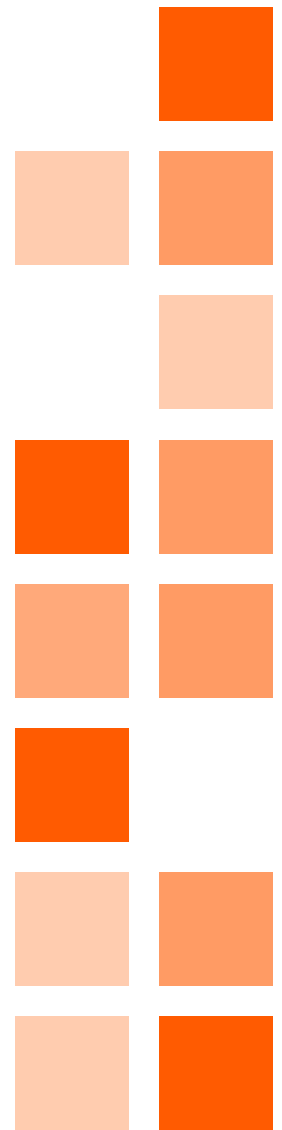
Filter instelling Zoek Annuleren OK

24-03-2003 10:13:33 /R - WinPresEvs - SYS n89



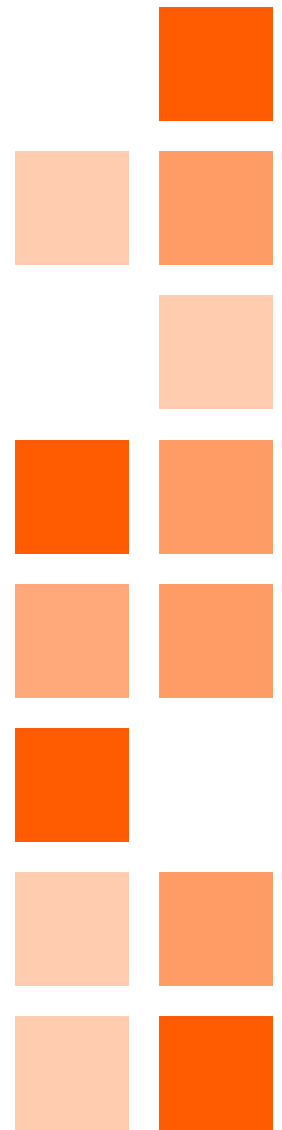
Requirements

- National IT infrastructure
 - Unique patient identification
 - Unique care provider identification
- Communication standards E-prescriptions
- National pharmaceutical product classification

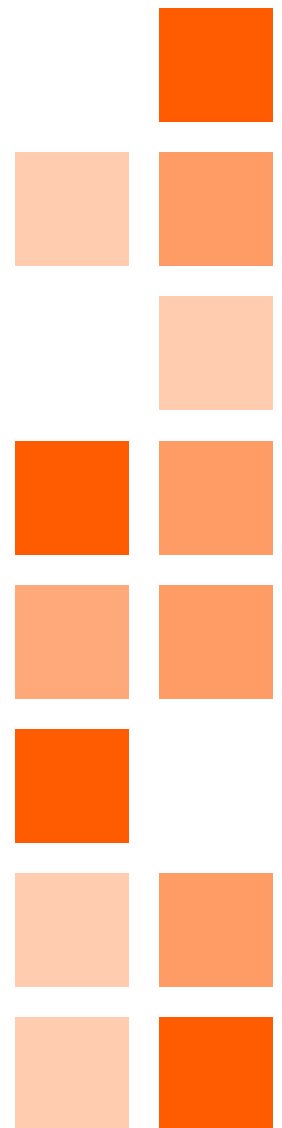


The current situation

- 1 National product classification
 - G-standard database maintained by Z-index
- 2 Communication standards (HL7v2 EDIFACT)
- E-prescribing is common between GP and community pharmacies.
- Large gap between 1st line and 2nd line care.
- Saturated and pluriform market of IT providers



Dutch Regional Healthcare Networks

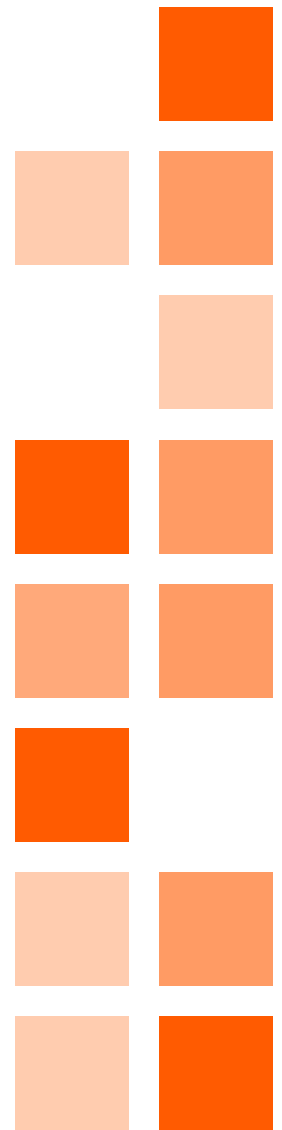


NICTIZ

and

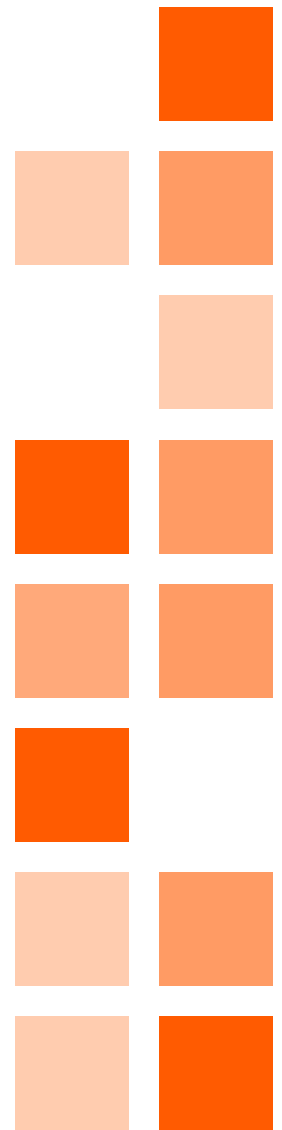
NICTIZ initiatives

- Set guidelines and build the elements of the infrastructure.
- Organize and stimulate collaboration between stakeholders.
- Integration of formulary and encyclopedia called pharmacotherapeutic compass.
- Develop HL7v3 communication standard for pharmacy (prescribe, dispense & queries).
- Implement Medication usage review, followed by e-prescribing



Questions?

- Information www.nictiz.nl



NICTIZ