

NTS **Nederlandse Triage Standaard**

Dutch Triage Standard
Tessa Postuma

Presentation

- What is NTS?
- Main Goal
- Benefits
- The foundation
- Method
- ICT
- Validation



WHAT IS NTS?

Triage = the sorting of patients according to the urgency of their need for care.

NTS = Guideline for triage used by:

- General Practitioners (GP's)
- Emergency Departements (ED's)
- 112



NTS
NEDERLANDSE
TRIAGE
STANDAARD

WHAT IS NTS?

The triage standard is a guideline which ICT-developers can incorporate in their software.

This software supports users by triage-assessments (both by telephone and face-to-face).



MAIN GOAL

“Improving triage by developing a clear and unambiguous standard in the chain of emergency care.”

BENEFITS

- Efficient use of facilities
- Improvement of the cooperation between A&E, GP's and 112
- Proper care: at the right place, at the right time by the right care provider (without unnecessary references)



Foundation NTS

Medical advisors

Surgeon, cardiologist,
internist,
gyneacologist etc.
(advice only when
needed)

Board (3)

Representatives of the chain of
emergency care

Content management group (7)

- Chairman
- General Practitioner
- Triage nurse
- Medical manager
- Ambulance dispatcher
 - A&E Nurse
 - A&E doctor

ICT advisor (1)

Office-manager (1)



Utrecht

METHOD

- Step 1: ABCD: Is life in immediate danger?
(If not:)
- Step 2: Select the most important complaint(s)
- Step 3: Determine the urgency by answering the questions.
- Step 4: Follow-up
- Step 5: Give (selfcare) advices

The professional can adjust the results at any time.

METHOD

Classification of urgency

| Code | Color | Description | Time |
|------|--------|---------------------------------|---------------------------------|
| U0 | Red | Failure of vital functions | immediate, Resuscitation |
| U1 | Orange | Unstable vital organs | immediate |
| U2 | Yellow | Possible threat to vital organs | as soon as possible, < one hour |
| U3 | Green | Real risk of damage | < a few hours |
| U4 | Blue | Negligible risk of damage | < 24 hours |
| U5 | Grey | No risk of damage | next working day |

Method

Follow-up

- Main complaint + type triage + urgency
- Adjusting on basis of professional insight

METHOD

Follow-up

- Ambulance = stabilisation (and transport)
- E&A = complex emergency care
- GP = general (emergency) care
- Advice = self-care advices
- But also: dentist, midwife, police and GGZ (= emergency service for people with mental problems)

METHOD

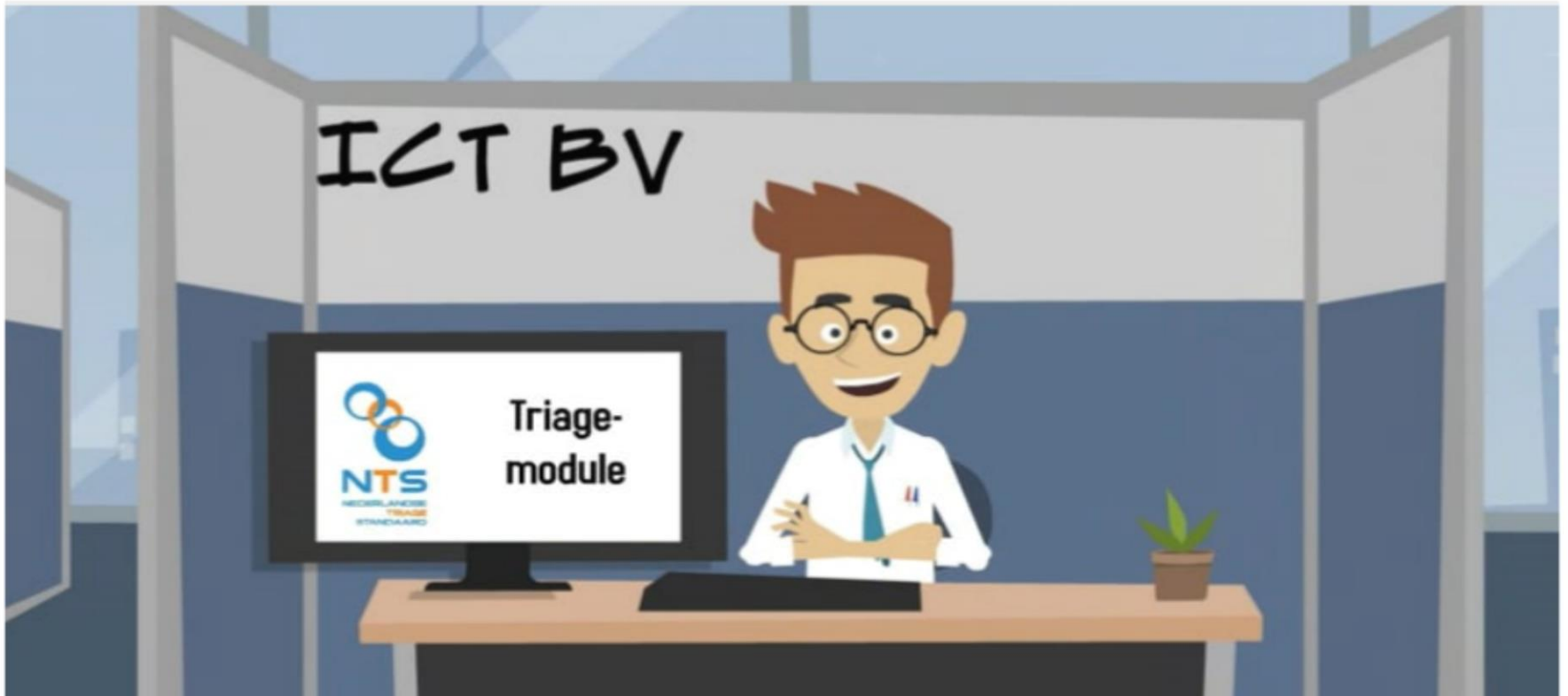
NTS also provides:

- Step-by-step instructions for resuscitation
- Examples of clarifying questions
- Definitions of all concepts and terms
- Gender and age filters
- Instructions for the patient ('what to do until medical help arrives')
- 'Connecting' main complaints ('See also....')
- Self-care advices for the patient
- Background information on diseases

ICT

- NTS = medical database
- ICT developers incorporate the NTS database in their (EPD) software.
- 6 “NTS” applications available:
 - MediTra
 - Labelsoft
 - Topicus
 - Mi Consultancy
 - Chipsoft
 - Gecko-ICT (e-care)

ICT



ICT

NTS hall mark:

- CE-mark
- Mandatory requirements for ICT developers
- Annual tests



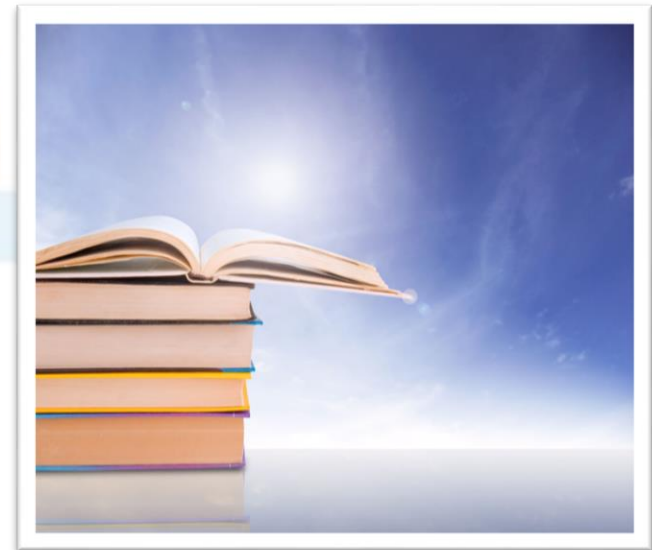
ICT

UPDATES AND NEW VERSIONS

- Updates twice a year
- New version (3 years)

RELIABILITY AND VALIDITY

- NTS was validated at the foundation.
- Validation studies at this time:
 - Chest pain triage
 - Triage of neurological problems
 - Paediatric emergency triage



VIELEN DANK

<https://meditraintrode.semlab.nl/>