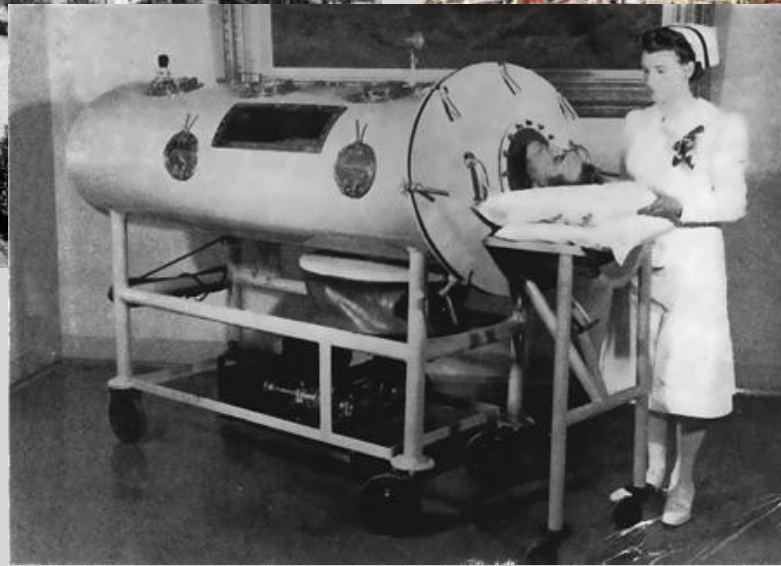
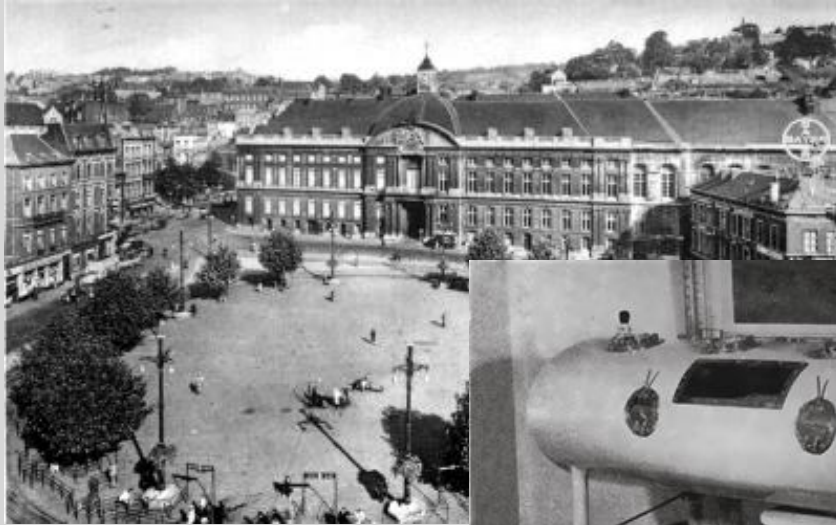


EMS in Belgium : yesterday, today and tomorrow...

EMS in Belgium: yesterday



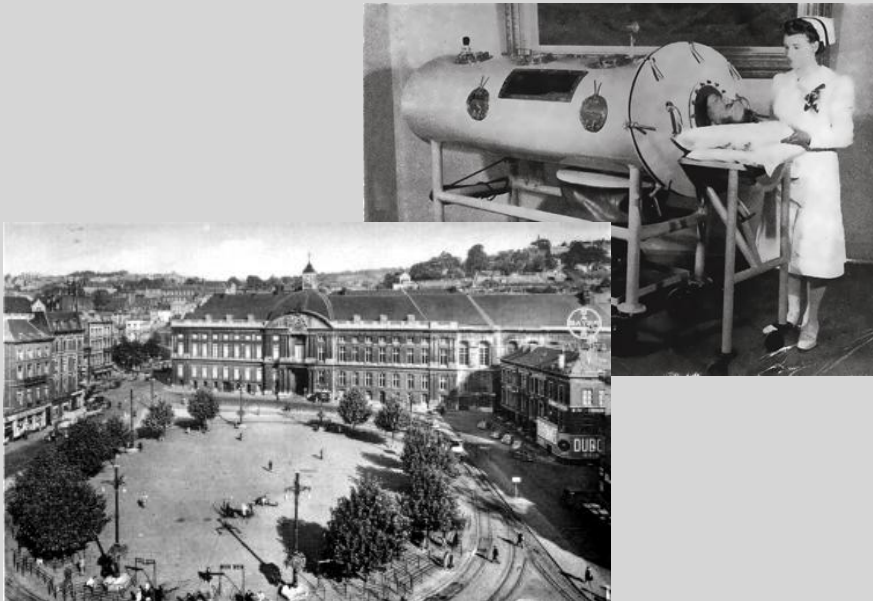
Tony HOSMANS

EMS in Belgium: yesterday

- Polio Outbreaks
- Increasing number of cars
= increasing number of injured on public roads

Minister Leburton

- National Emergency Service
- Public Assistance Committee (municipality)
= 15 ambulances



1956-1958

- First Call Centre 900 in Antwerp (1959)
- Gradual creation of 16 Call Centres for 40 phone areas



1958-1963



- Creation of a unified Call Centre (900)
- Creation of Emergency Medical Services
 - National responsibility (federal)

For 20 years, EMS =

- ⇒ Sending an ambulance on site
- ⇒ Providing care (20-hour training)
- ⇒ Transporting to the closest hospital

1964



- 900 => 100 in 1987
- First tests with the «VIM» ... (Medical Intervention Vehicle)
 - Generalisation of «MICU» in 1990 (Mobile Intensive Care Unit)
- Legal definition of «MICU» in 1995
 - Implementation in 2003

1980 - 1995



- EMS expansion to home-intervention
- Creation
 - Basic and Continuous Training Centres for Ambulancers
 - EMS (provincial) committees
- The Closest = the Fastest to reach

1998



- Beginning of the experimentation
- « Paramedical Intervention Team »
= Nurse + Ambulancer (!)

Premise of a new era ?!?

2006

Ambulance Crew = Professional Health Care Providers

Royal Decree n°78 on the
practice of the healthcare
professions
(19/12/2008)

CHAPTER Ia
Practice of the medical profession and
pharmaceutical profession

CHAPTER Ib
Practice of kinesitherapy

CHAPTER Ic
Nurse practice

CHAPTER Id
Practice of the midwife profession

CHAPTER Ie
Practice of ambulance services

CHAPTER II
Paramedical Professions

2008

The Royal Decree of 21st February 2014 (MB 8/4/14) incorporates the ambulance crew's activities and contains the detailed arrangements to execute these activities

- On the Committee of Nursing Practice's opinion
- From the nurses' list of acts => the ambulance crew executes its function under supervision of a physician or a nurse
- Not included in the list: all acts that everybody could perform (CPR, bleeding, contention,...)



2014

Art. 1

1 Treatment

1.A Airway

- ...
- CPR with noninvasive means
- Oxygen delivery
- CPR assistance with invasive means

Ambulance crew's acts

(AR 21/02/14 – MB 08/04/14)

1 Treatment

1.C Medication administration

- ...
- **Medication given orally or through inhalation**, upon medical prescription verbally requested by the MICU physician, himself sent by the unified call centre in order to provide care

Ambulance crew's acts

(AR 21/02/14 – MB 08/04/14)

In short

In 60 years...

- 2⁽³⁾ emergency numbers
 - armed security
 - unarmed safety
- 3 tiers system : ambulance, PIT, MICU
- Complete chain from pre-hospital to inhospital
- Ambulance crew newly recognized as health care providers with acts list
- Permanent orders and procedures to determine by agreement

To be continued ...

EMS in Belgium: today and tomorrow

Olivier LAMBIET

Stakeholders

- Emergency physician: 6 years + specialization
 - Specialized Acute Medecine: 3 years
 - Specialized Emergency Medecine: 6 years
- SISU Nurse: 4 years (Intensive & Emergency Care)
- Ambulance Crew: at least 160 hours Training
- PSAP 100/112 Operators: 540 hours Training

EMS in Belgium: today

The Means

MICU: Advanced Life Support

1 SISU Nurse + 1 Emergency Physician

PIT: Advanced Life Support with permanent orders

SISU Nurse + at least 1 Ambulancer

Ambulance Crew: Basic Life Support with equipment

2 Ambulancers

EMS in Belgium: today

The Means

MICU & PIT: Hospital emergency units staff

Ambulance services:

- 73 % Firefighters
- 11% Hospitals
- 10 % Private companies
- 4% Red Cross
- 1% Civil protection & army
- 1% Municipalities

EMS in Belgium: today

On the ground

- 85 MICU leaving
- 2 experimental helicopters leaving
- 22 experimental PIT leaving
- 409 ambulances leaving
- 10 PSAP 100/112



EMS in Belgium: today

On the ground

- 535.207 ambulance interventions
- 29.122 PIT interventions
- 114.196 MICU interventions
(2013 stats)



EMS in Belgium: today

On the ground

MICU: Response time = 13 minutes

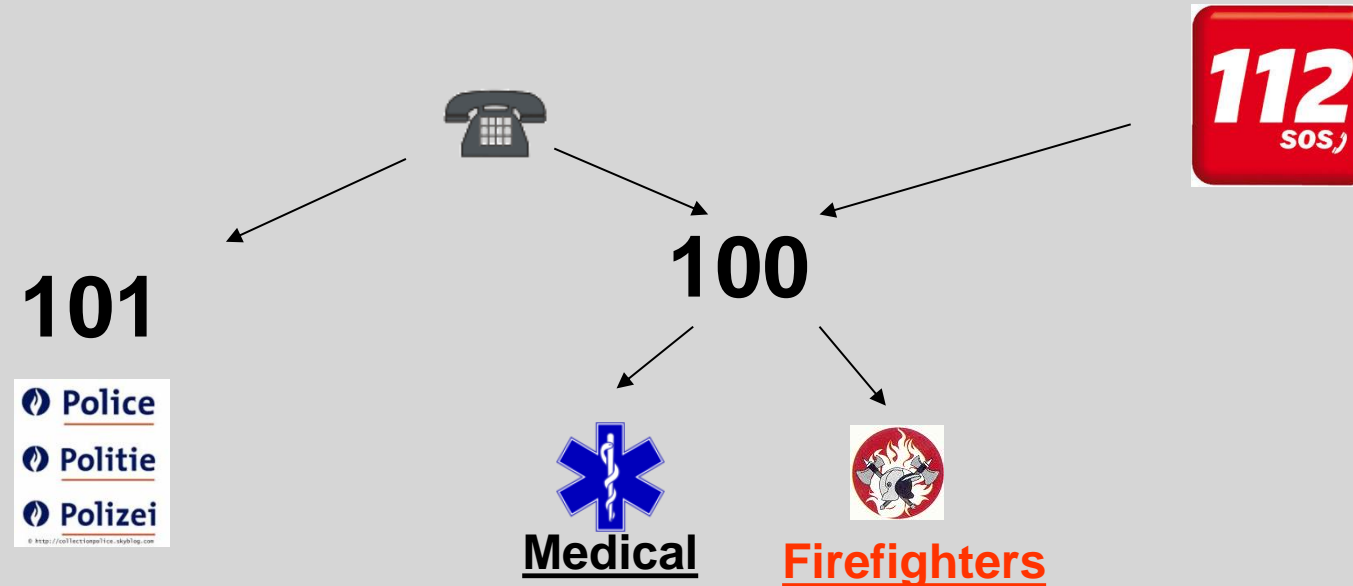
PIT: Response time = 12 minutes

(2013 stats)



EMS in Belgium: today

Public Safety Answering Point 100/101/112



EMS in Belgium: today

PSAP 100/112

- Call taking & Dispatching medical emergencies
- Call taking for firefighters / Dispatching per firefighter area
- TETRA Digital Communication System (ASTRID)
- Two federal authorities:
 - Federal Ministry of the Interior: Organisation, Staff & Funding
 - Ministry of Health: Handbook for Medical Regulation, consulting and training for PSAP 110/112 staff, Medical supervision

EMS in Belgium: today

PSAP 100/112

- Handbook for Medical Regulation
- Continuous Training of the 100/112 operators
- Pre-arrival Instructions
 - Phone CPR
 - Safety Instructions
- Medical supervision through a medical direction (emergency physicians and emergency nurses)

EMS in Belgium: today

Tomorrow

2016: 12 more millions € for ambulance services

Nurse Training: 4-year programme + specialization

Ambulance crew: permanent orders

112: New vision

EMS in Belgium: tomorrow

Distribution

- Ambulances distribution (2017-2018 ?)
- PIT distribution (2017-2018 ?)
- New distribution for MICU's functions (2017-2018 ?)
- Reflexion about other stakeholders (first responder, General Practitioner,...)
- New EMS Quality Standards Services (2017-2018)

EMS in Belgium: 2017-...

Financing

- New funding for ambulance services
- (subsidies + fixed sum per intervention)
- Increased funding for PITs
- Other increases ?

EMS in Belgium: 2017-...

PSAP 100/112

- Computer aided dispatch (CAD) to deal with calls
- Medical dispatching ?
- General medicine regulation (call 1733)
- Less PSAP 100/112 ?

EMS in Belgium: 2017-...

Questions ?

EMS in Belgium