

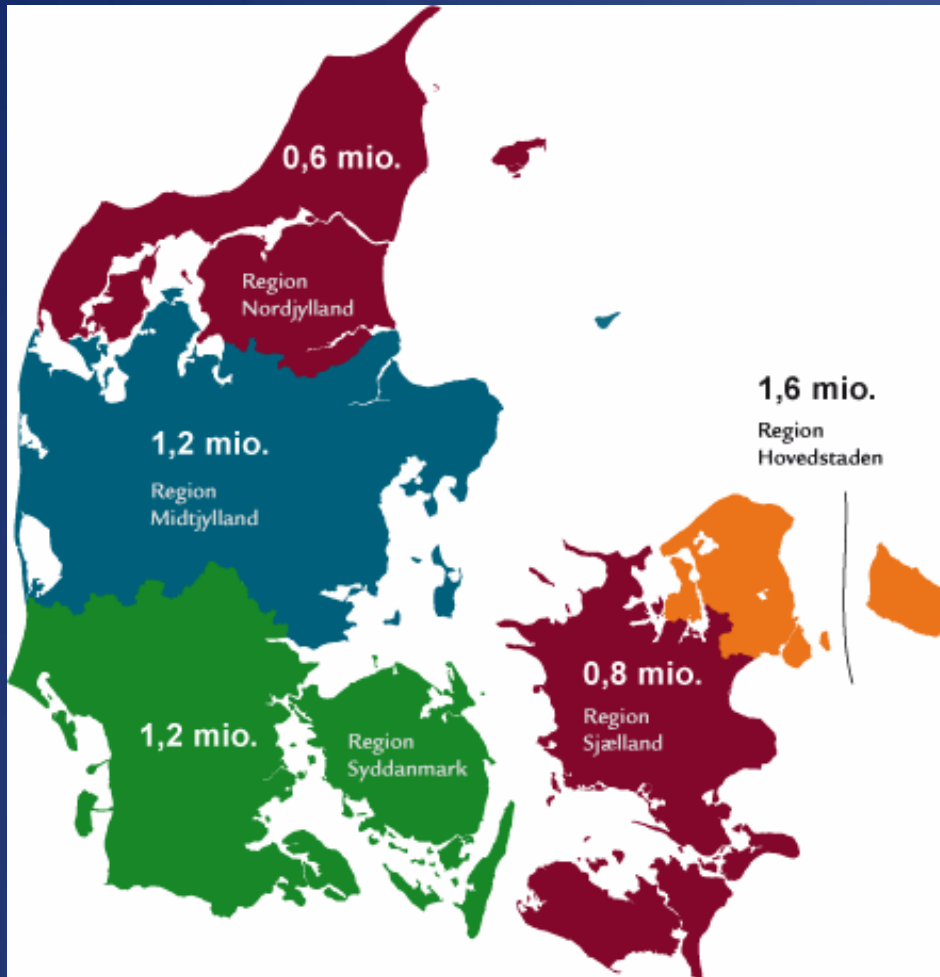
MET REPORT - DENMARK

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MET – REPORT FROM DENMARK

- STATUS IN DENMARK 2009
- THE DRIVING FORCES
 - Operation Life
 - RRS Task Force in the Capital Region
- MET AT GENTOFTE HOSPITAL

DENMARK



- Population 5,5 M
- Area 43.094 km²
- 54 hospitals
- 5 independent health care regions

DENMARK AND MET

- Pittsburgh 2007:
 - A RRS task force in the capital region
 - Conference on RRS implementation in Denmark, March 2007.
 - 3 Hospitals with MET
 - Research project with the aims to investigate the staffs identification of patients with physiological signs of critical illness before and after an educational intervention

DENMARK AND MET 2009

- More than 20 Danish hospitals have RRS
- Operation Life
 - A Danish counterpart of the 100K lives campaign
- The RRS task force

Operation Life



Operation Life

- The Danish Society for Patient Safety
- National safety campaign:
 - April 2007-April 2009
- Target group: all Danish hospitals
- Aims of campaign: To prevent 3000 hospital related deaths by implementing 6 interventions
- MET as one of the 6 main interventions of the campaign

Operation LIFE - MET

- Expert panel set the frames
- Aims: to prevent deaths in patients who are progressively failing outside the ICU
- Means:
 - Fixed calling criteria
 - Fixed calling procedure
 - Fixed team structure
 - Fixed team competence
- Monitoring: registration of calls



CALLING CRITERIA

Acute changes in	Physiology
Respiration	Respiratory rate <8 or >30 per min
Saturation	Pulse oximetry saturation <90% despite oxygen administration
Circulation	Systolic blood pressure <90 mmHg Heart rate <40 or >130 bpm
Renal function	Urinary output <50 ml in the last 4 hours
Neurologic status	Acute change in conscious status
Other	Staff member is worried about the patient

COMMUNICATION

- ISBAR = A method of communication that provides an opportunity to ask and respond to questions:
 - I = Identity
 - S = Situation
 - B = Background
 - A = Assessment
 - R = Recommendation
- Closed loop communication



TEAM ORGANISATION & COMPETENCE

- Team structure
- Immediate availability
24 hours/day
- All wards
- The team and each member of the team has a defined role
- Action card for the team

Task force on RRS in the capital region

- Since 2007
- 4 annual meetings
 - Share knowledge, experience and data
- Central database in the capital region
 - MET report sheets
 - Evaluation sheets

GENTOFTE HOSPITAL

In the capital region



Build in 1927

500 bed university hospital

20.000 admissions/year

ICU 9 beds



MET implementation at Gentofte Hospital

2007

2009



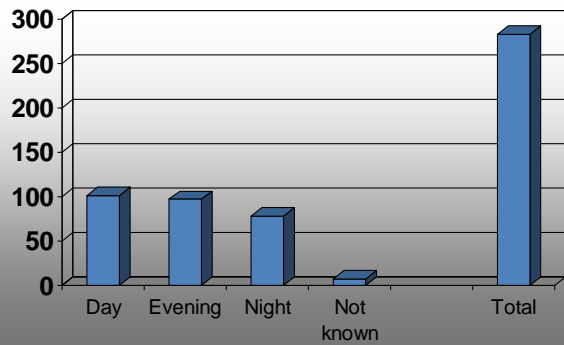
Structure of the team

- ICU physician and nurse
- Physician and nurse from the ward
- 1 day course:
 - Mini-lectures
 - Case sessions
 - Full-scale simulator based training

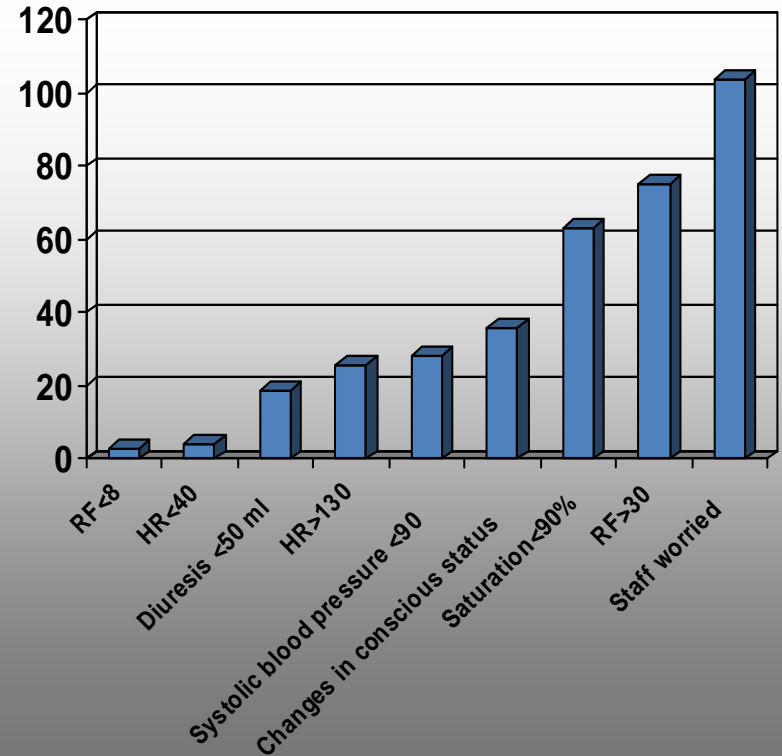


MET Gentofte Hospital 2008

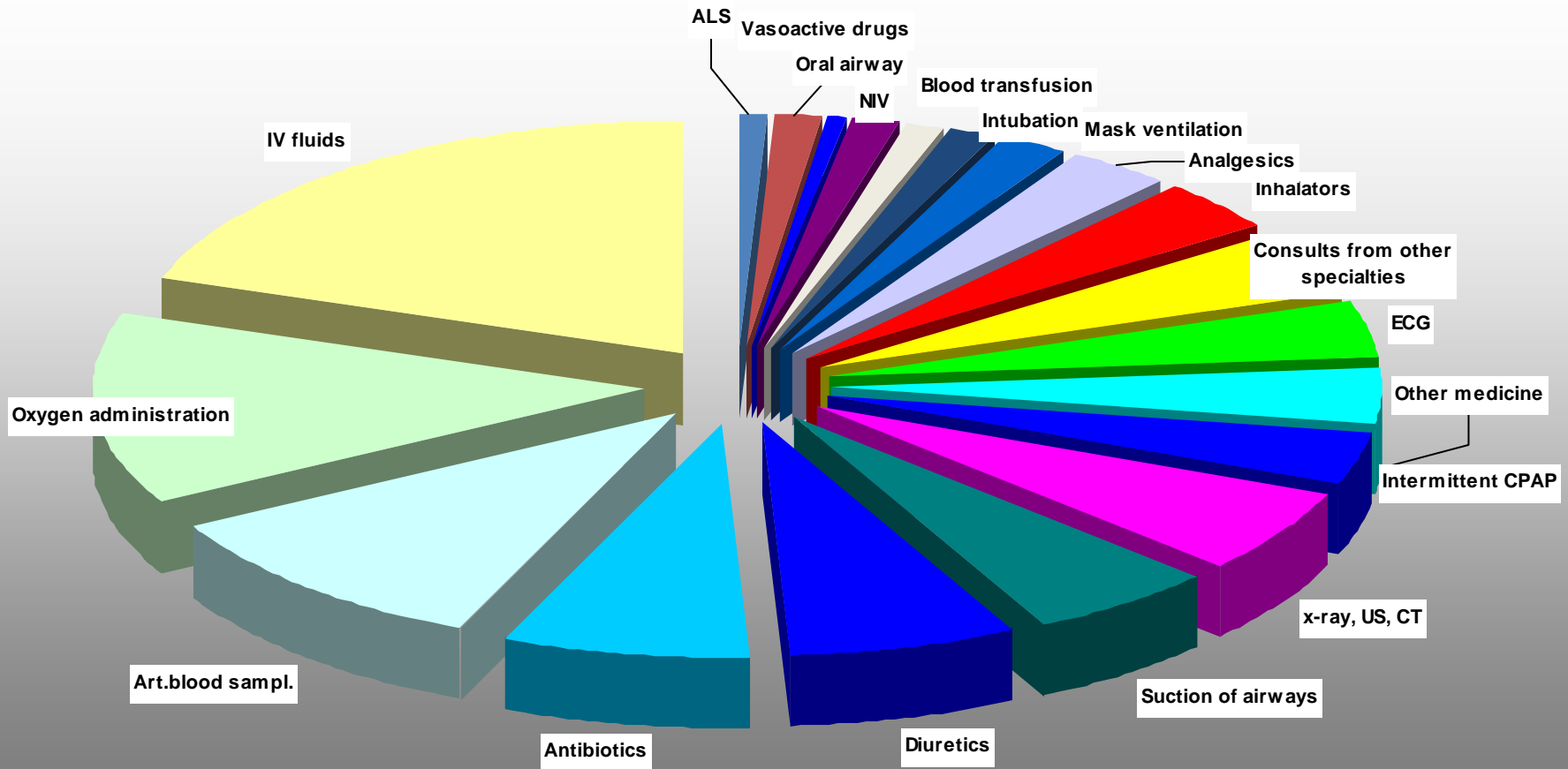
Calls 2008



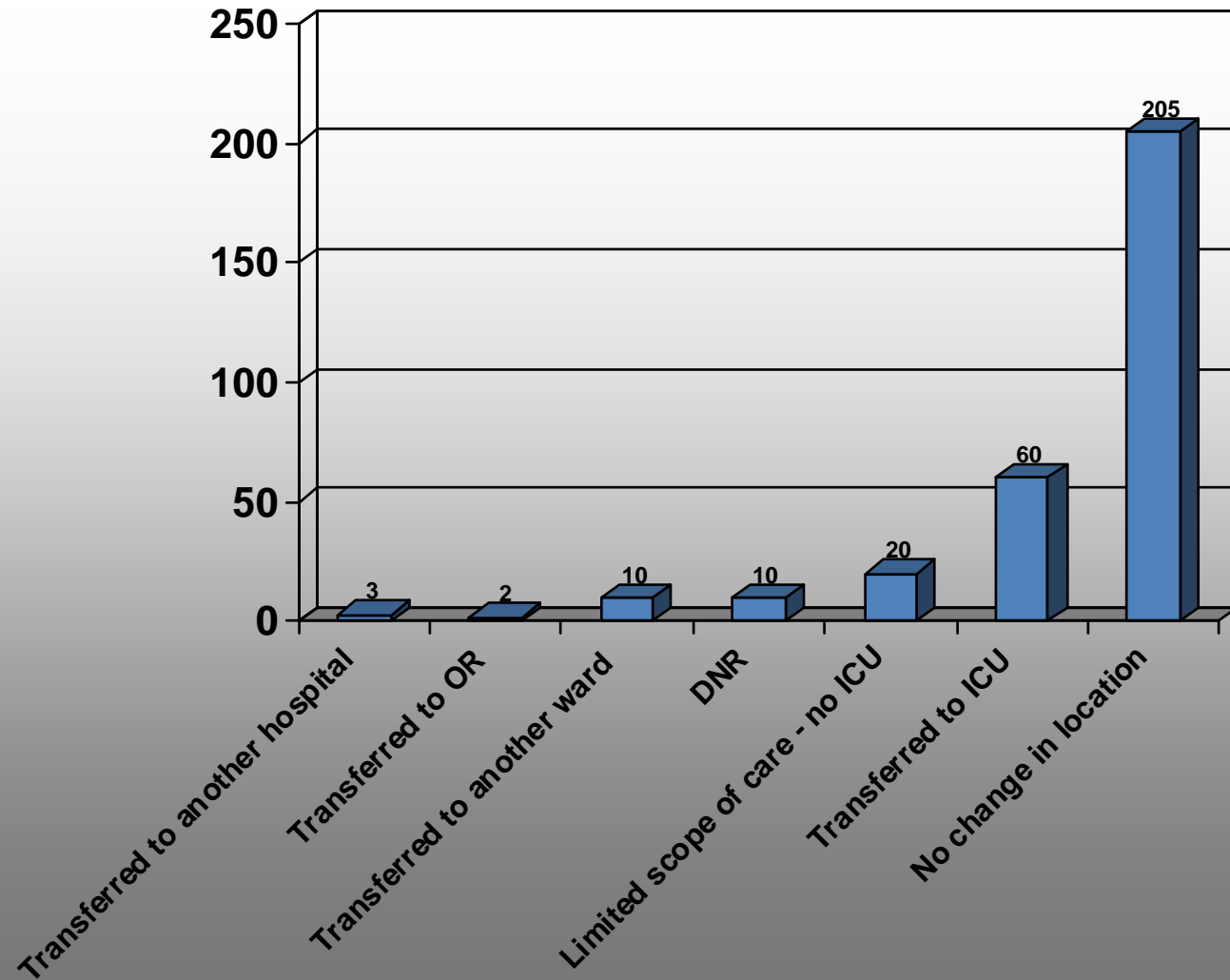
Calling criteria



MET interventions



Results of MET call



Future challenges in Denmark

- Growth of RRS in Denmark
 - continue implementation of RRS
 - continue education of staff
 - data sampling and research
 - feedback and improvement
- RRS task force:
 - MET database in the capital region
 - Unique opportunity for collaboration and research

Thank you for your attention