



**Founded 1969 by the Nordic Council of Ministers**

# Slideshow 2013

## Scandiatransplant activities

| Slide presentation of Scandiatransplant activities 2013 |          |
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| Presentation, purpose, awards, and office               | Slide 3  |
| Overall procurement and transplantation activity        | Slide 9  |
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# Scandiatransplant

- Scandiatransplant is the organ exchange organization for the Nordic countries Denmark, Finland, Iceland, Norway and Sweden. It covers a population of about 25 million inhabitants. It is owned by the ten hospitals performing organ transplantation in these countries. The office is located at Århus University Hospital, Denmark.

# Purpose of Scandiatransplant

- Effect the exchange of organs and tissue
- Operate a database and communicate information
- Promote the provision of human organs and tissue for transplantation
- Support scientific activities
- Cooperate with national competent authorities, EU, and other transplantation organisations



# Awarded Grants in 2013

## Research Grants

- Principal investigator: Arno Nordin. "Liver Transplantation in cancer - a Nordic multicenter population based study."  
Supported with 20.000 €.
- Principal investigator: Helena Isoniemi. "Survival gap and premature death after liver transplantation - A Nordic population-based study."  
Supported with 20.000 €.

## Travel Grant

- Jouni Lauronen :Grant for benchmarking visit to Barcelona Hospital Clinic's tissue typing laboratory and transplant coordinator team. Supported with 15,000 DKK.

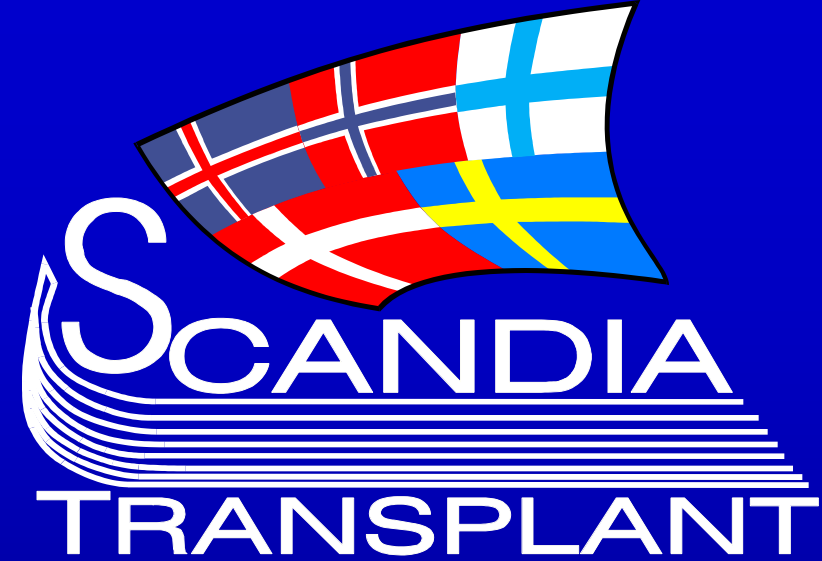
# ScandiTransplant Office Activities 2013 (1)

- Number 1 priority: Changing to new (YASWA) system:
  - Very crucial due to unsupported software and old hardware.
  - Increased staff with 2 new programmers in summer 2013.
  - Increase user friendliness and functionality.
- Huge amounts of programming and testing done.

# ScandiTransplant Office Activities 2013 (2)

- Kept the "old" system running to ensure correct organ allocation 24/7.
- Educated users and complied with demands from users, owners, researchers and the public.
- Arranged meetings for groups, committees, board and council of representatives.
- Participated in meetings with Nordic competent authorities, EU-commission and EU projects.
- Taking care of finance and personnel.

*Figures for 2013*



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# **Organ procurement and transplantation activities in Scandiatriansplant**

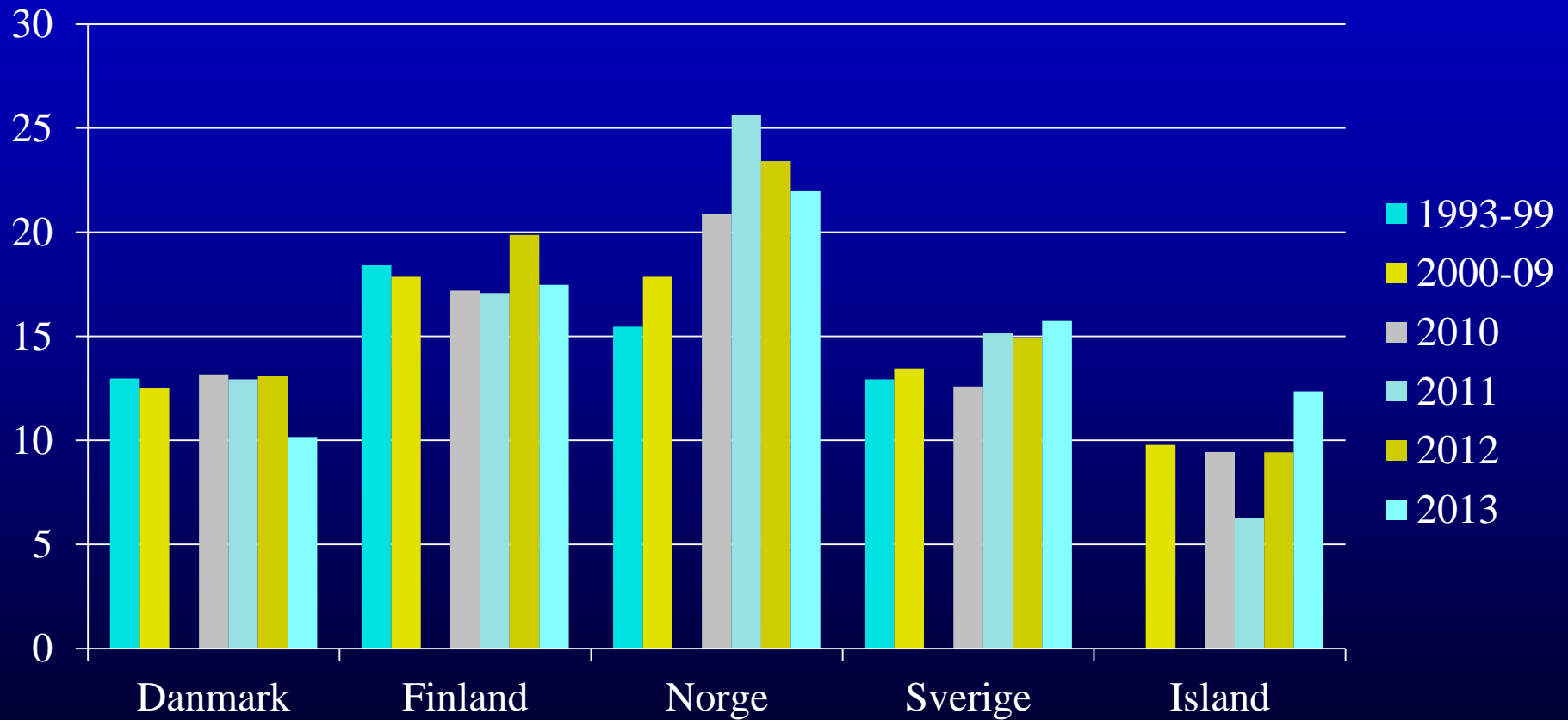
# Scandiatransplant 2013

- 419 Utilized deceased donors (16.04 PMP )
- organ transplants performed
  - 1102 kidneys (347 were living related)*
  - 360 livers (5 were living related – 6 were domino)*
  - 130 hearts (0 were domino)*
  - 137 lungs including heart/lung*
  - 87 pancreas including kidney/pancreas*
- 2211 patients on waiting list at end 2013

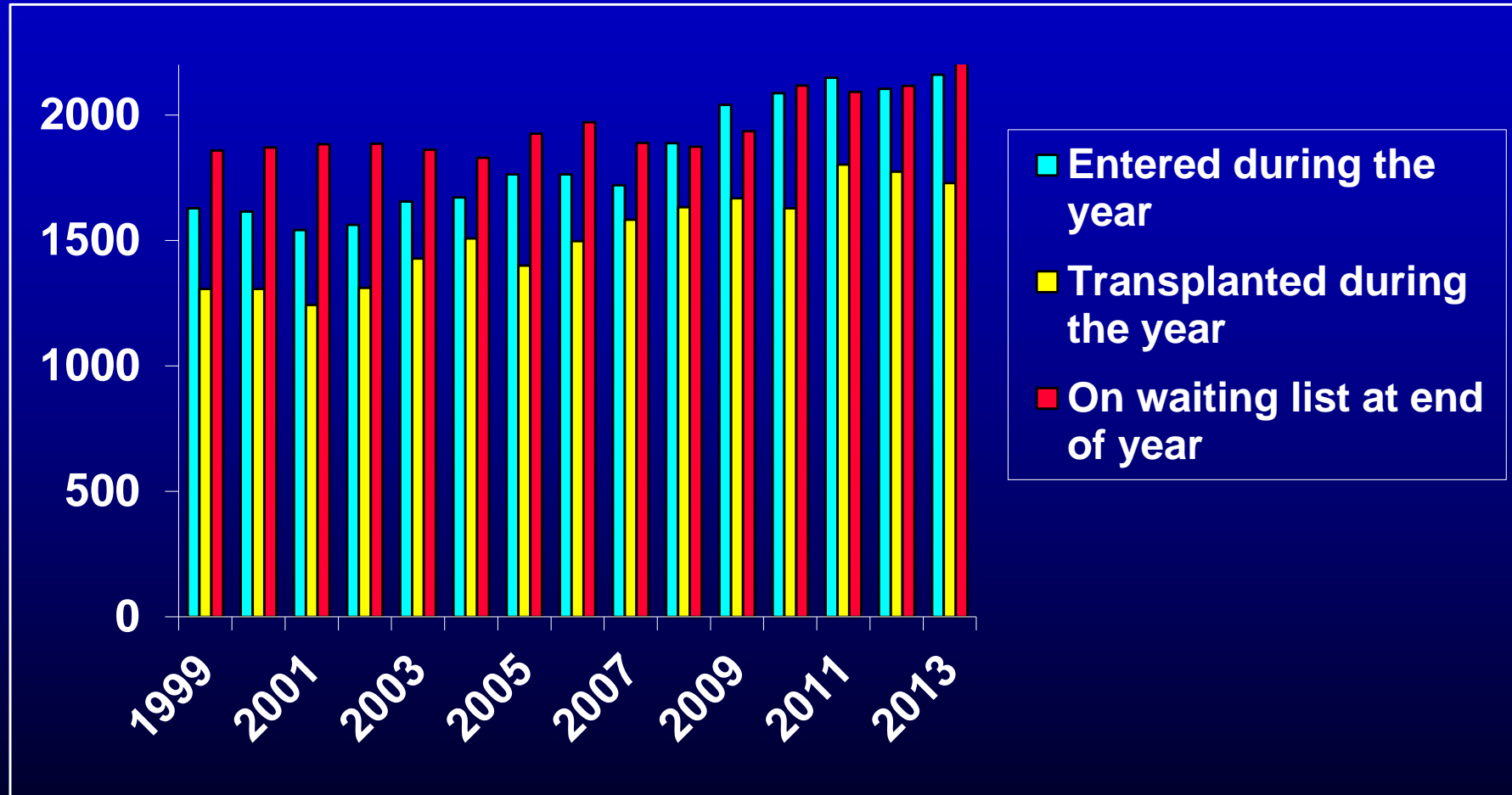
# Patients entered on waiting list during 2013 (2012 figures)

- *Kidney:* 1344 (1324)
- *Liver* 392 (371)
- *Heart* 156 (159)
- *Lung* 166 (165)
- *Pancreas* 24 (31)
- *Kidney+Pancreas* 69 (49)
- *Liver+kidney* 10 (5)
- *TOTAL* 2161 (2104)

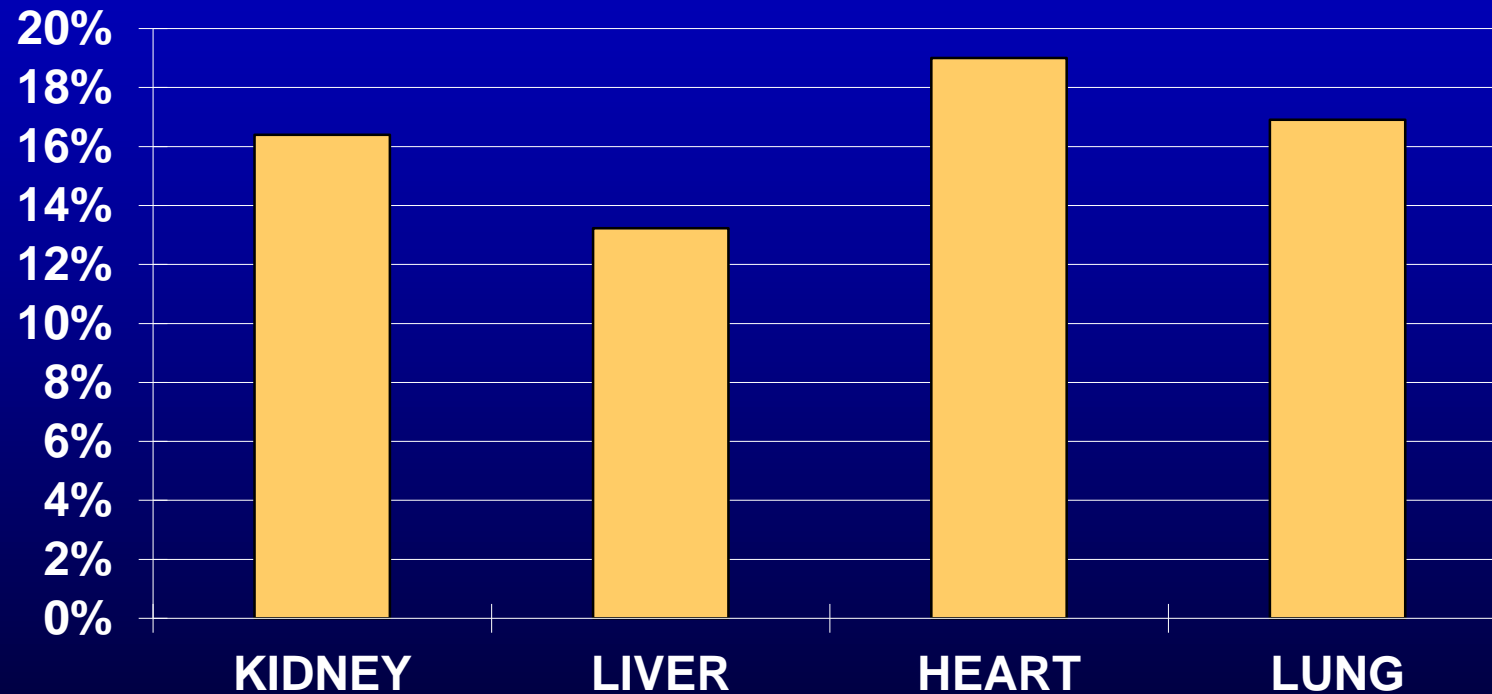
# Utilized doners PM P



# Flow on the waiting list during a year



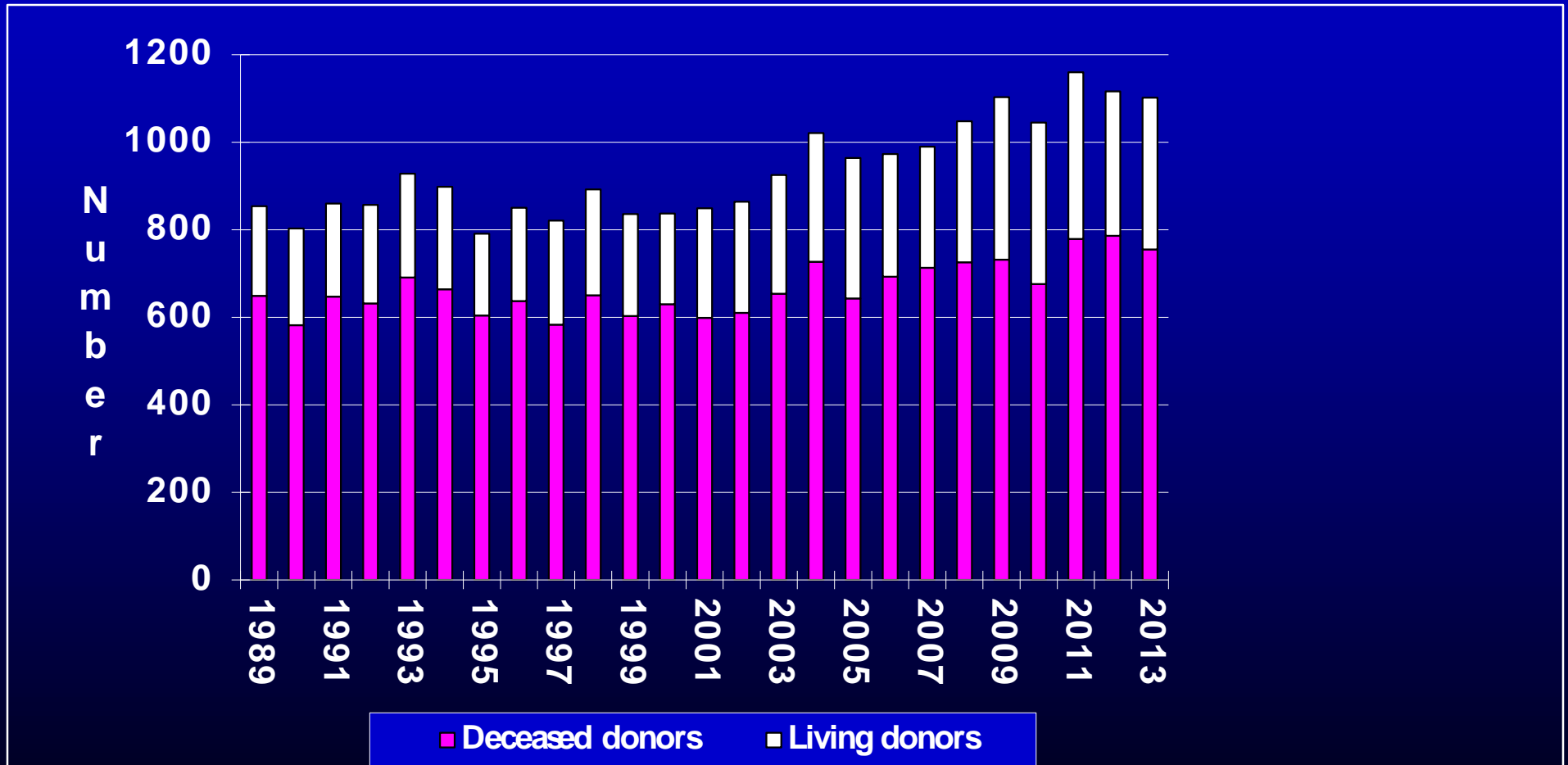
# Organ exchange 2013



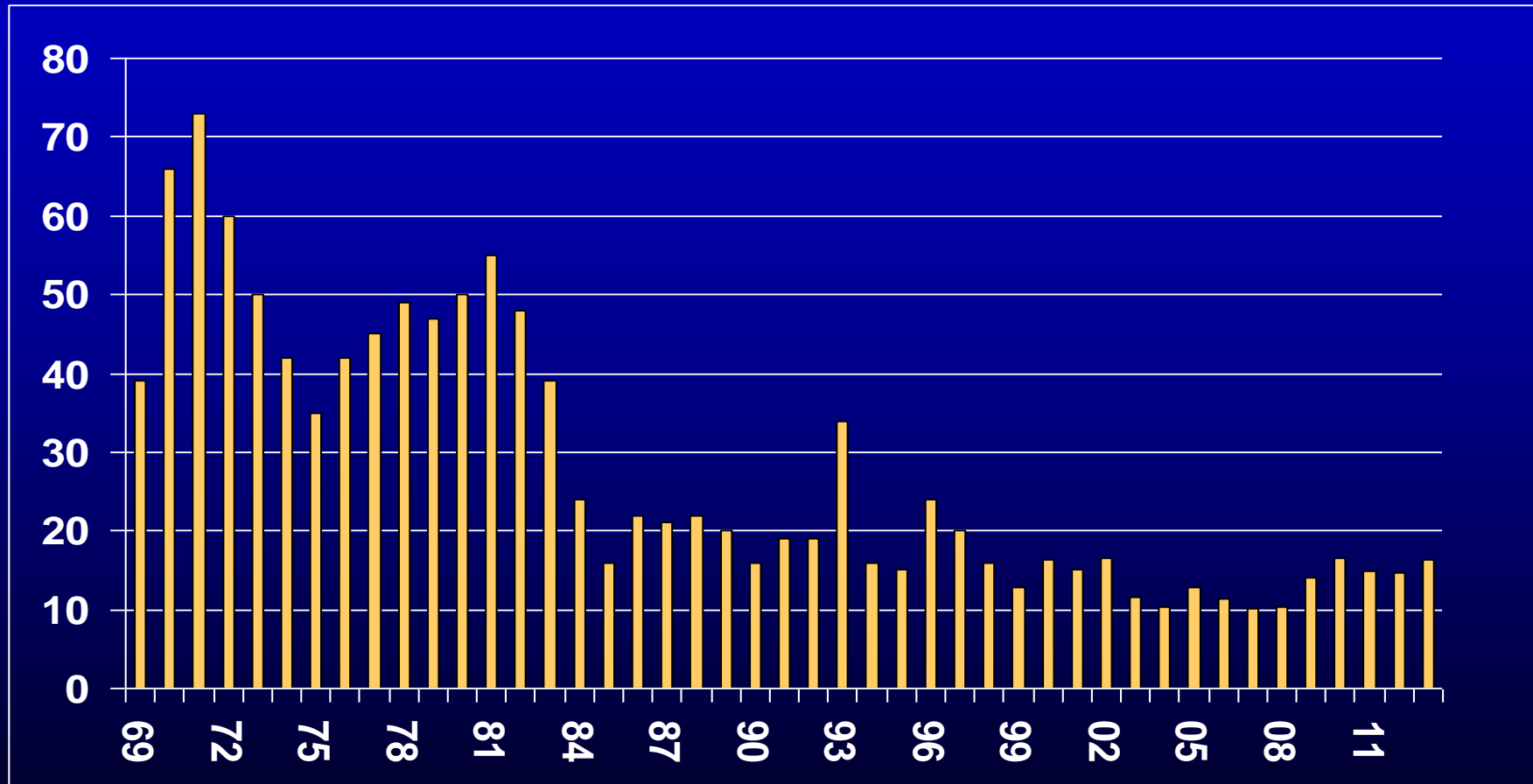
# Kidney Transplantation

# Kidney Transplantation

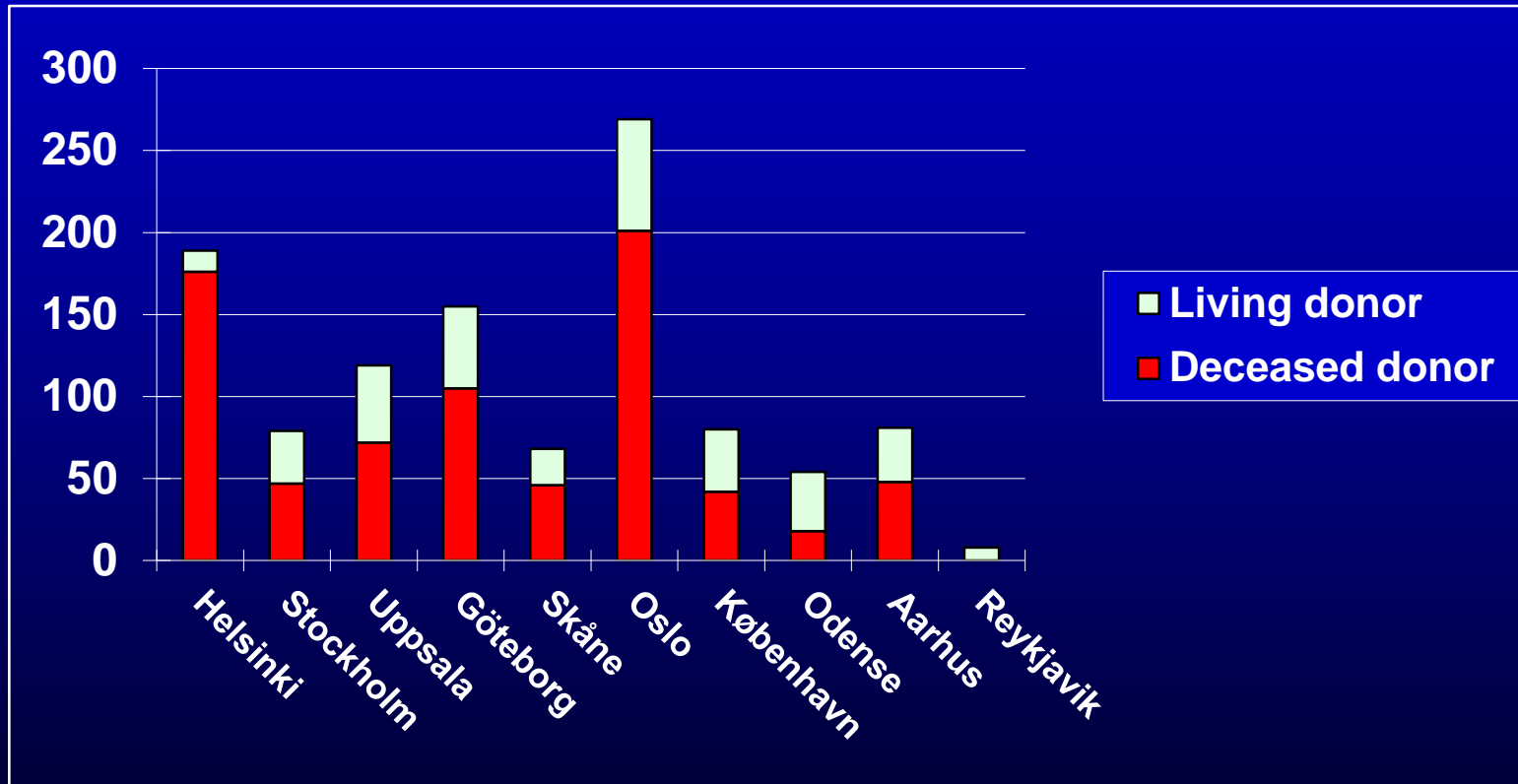
## 1989 – 2013



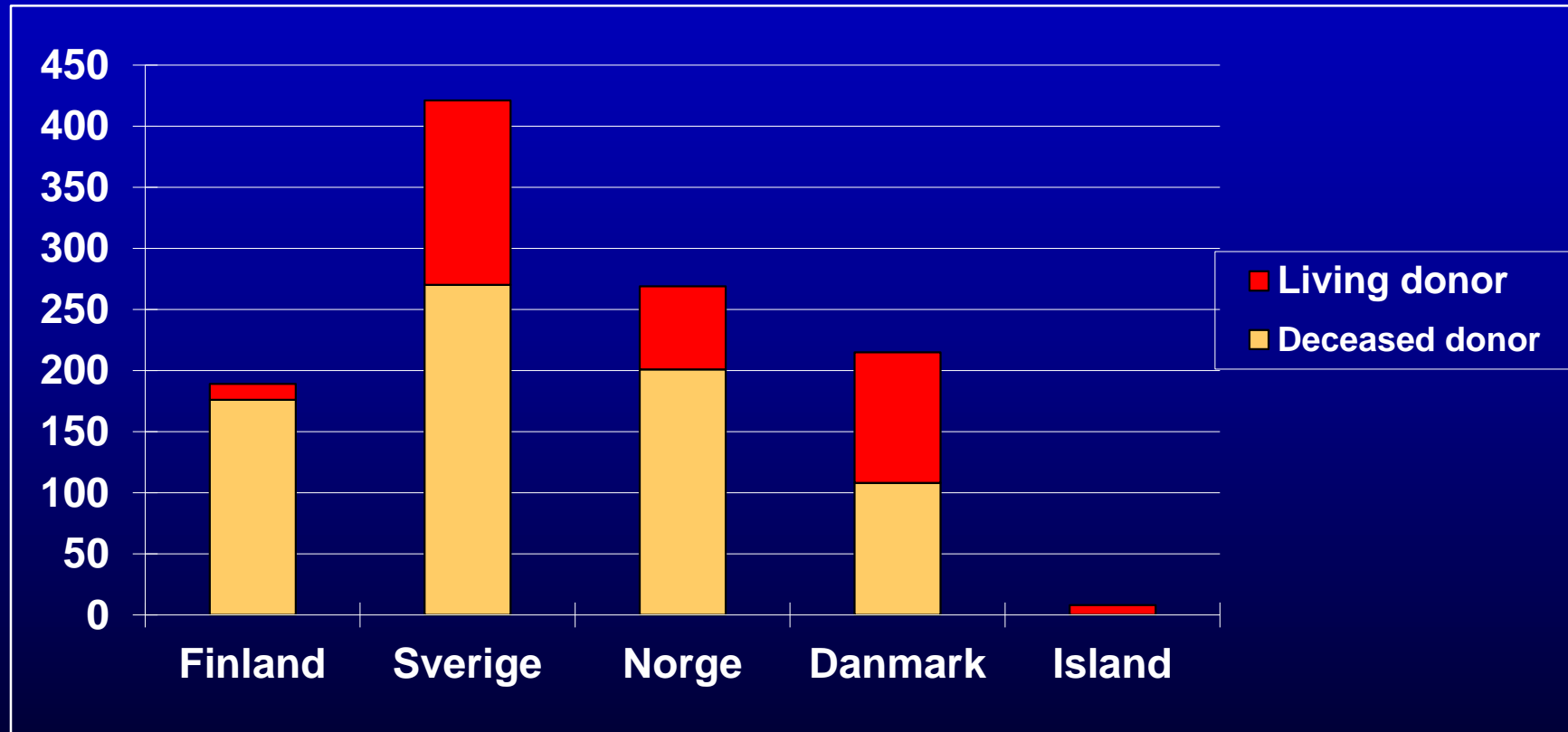
# Kidney exchange rate 1969 - 2013



# Kidney Transplantation activity 2013 by centre

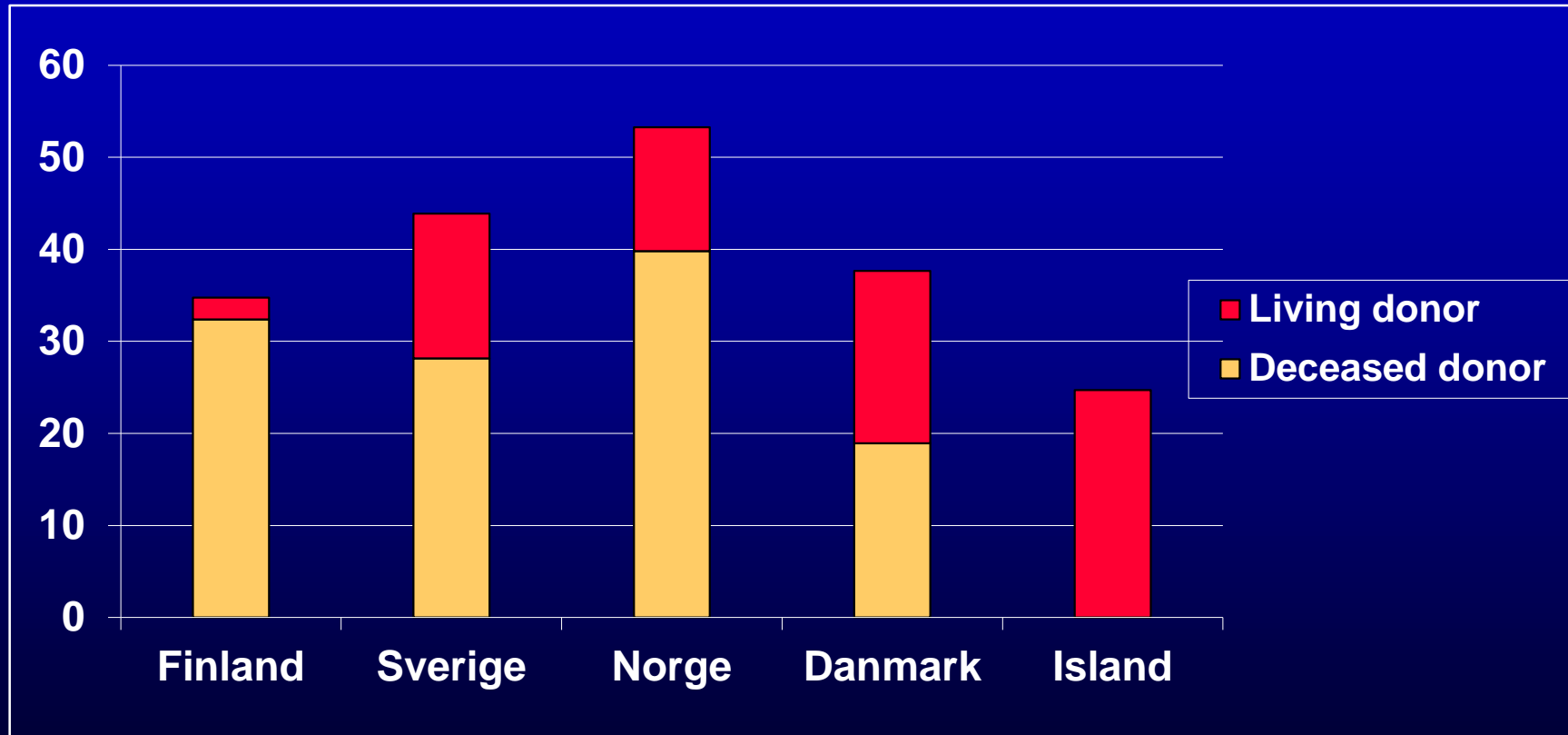


# Kidney Transplantation 2013

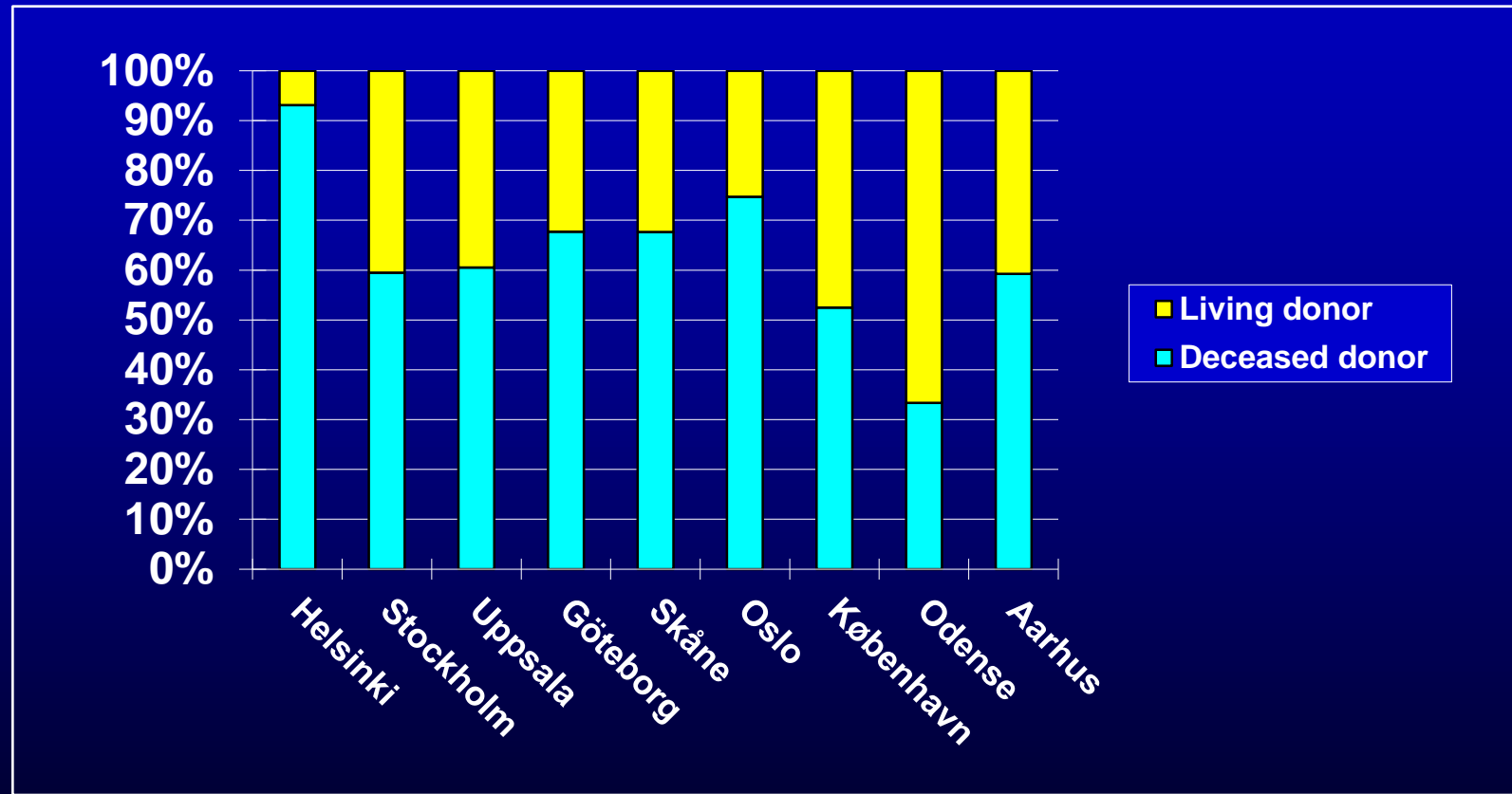


# Kidney Transplantation

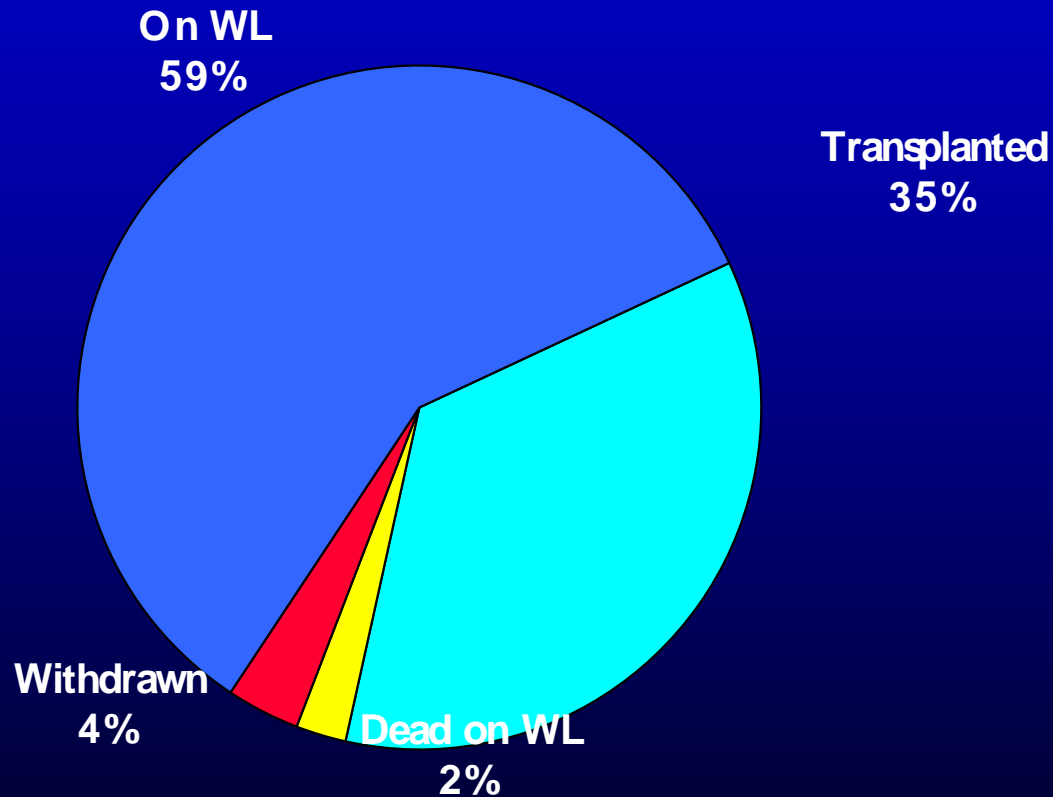
## PMP 2013



# Kidney Transplantation 2013



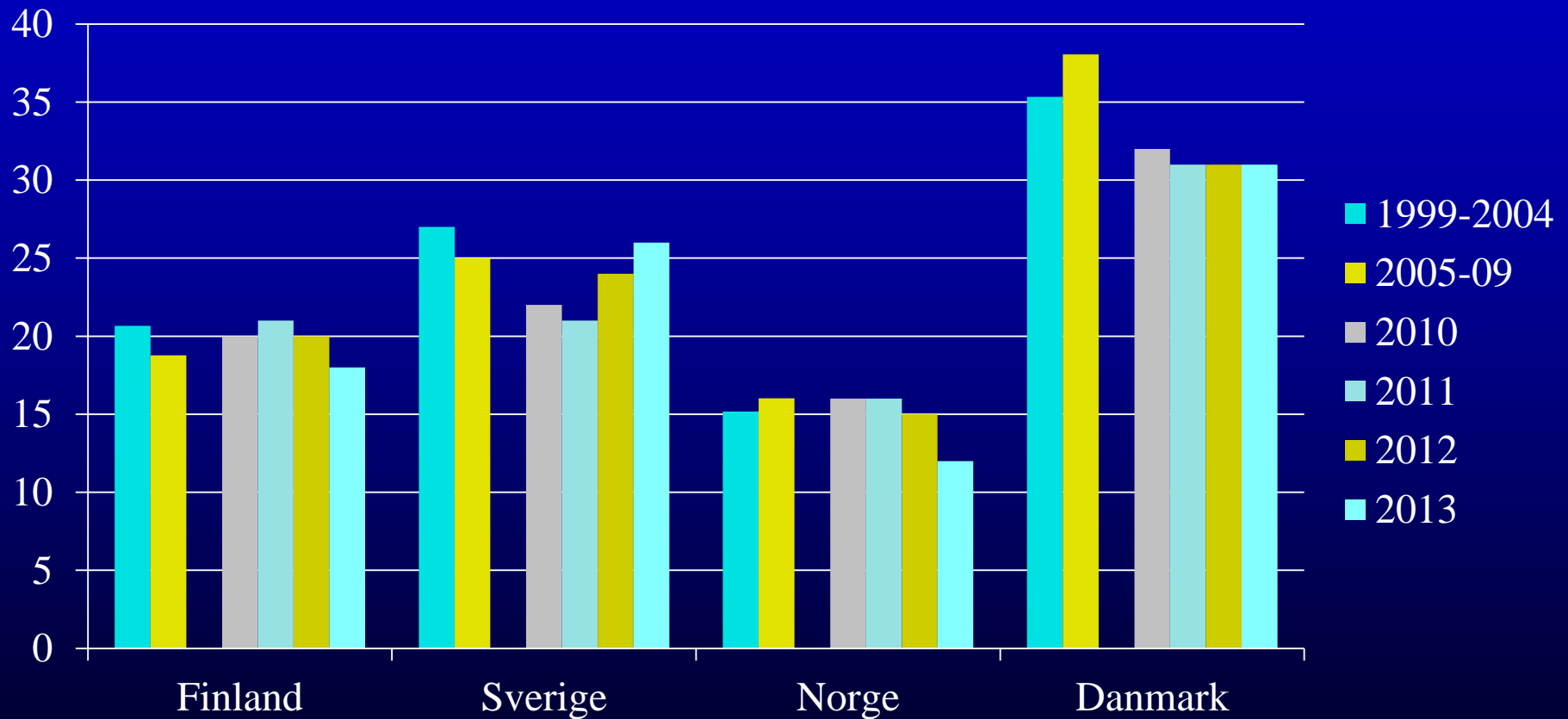
# 1344 new patients on kidney waiting list 2013



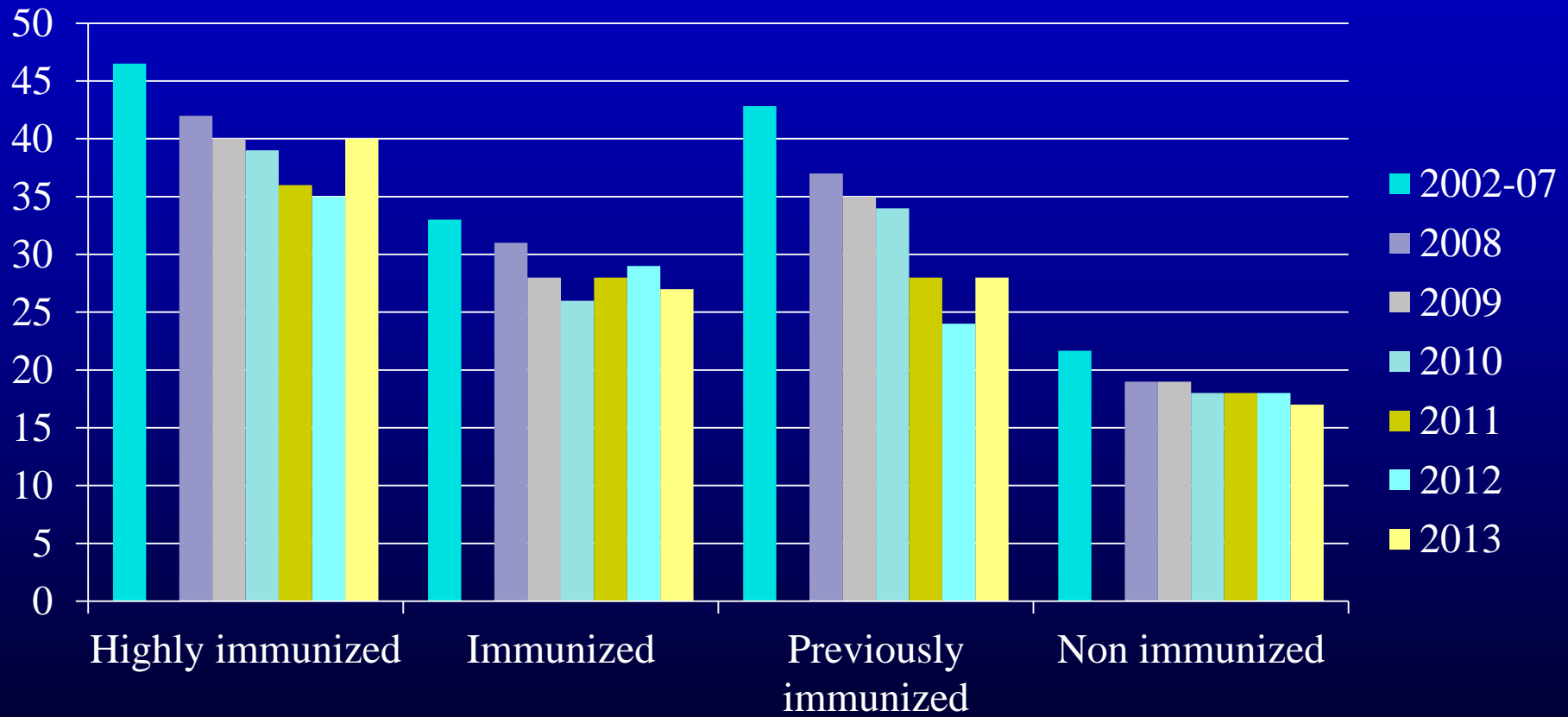
# Kidney waiting list 1995 - 2013



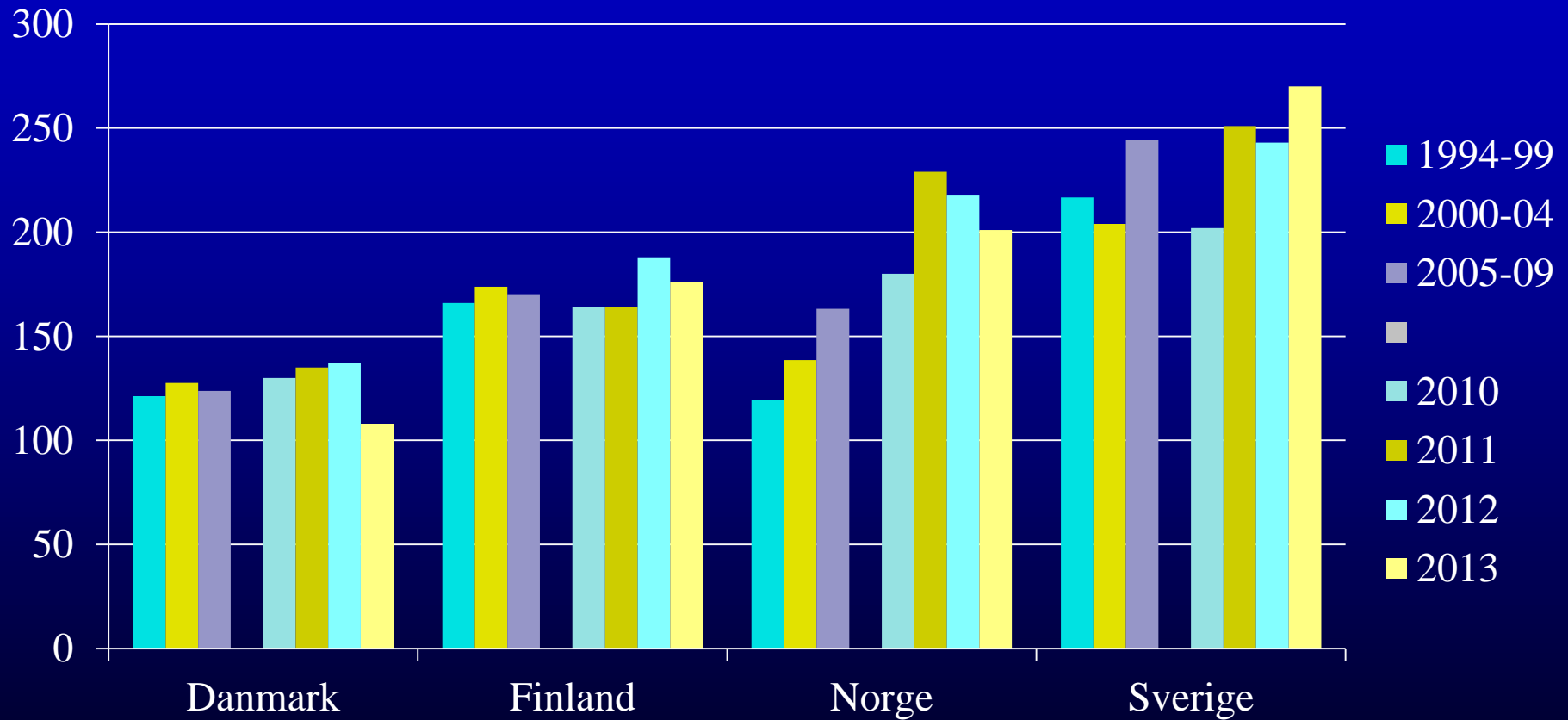
# Average time on kidney waiting list at end of year



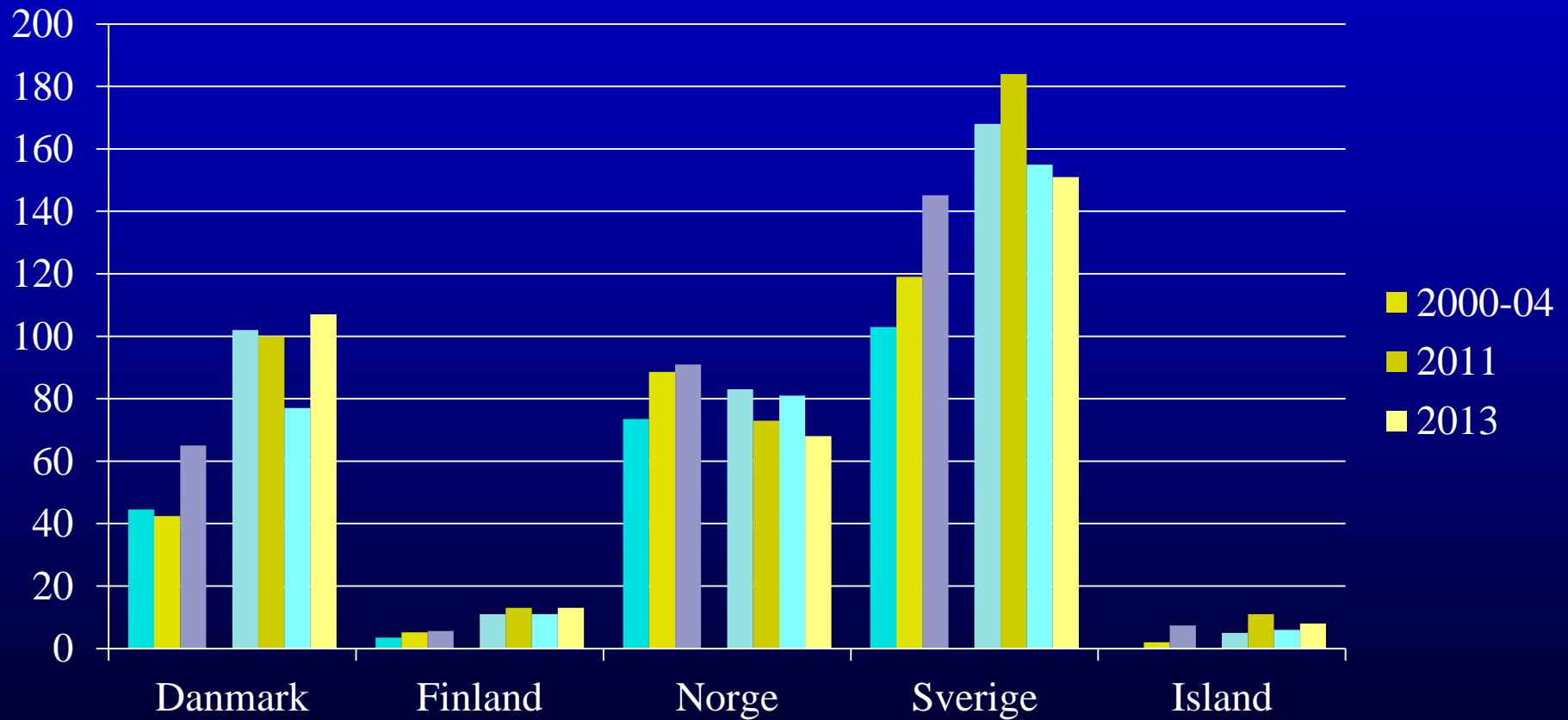
# Average Months on Kidney Waiting List by Immunisation status at end year



# Deceased donor kidney transplants 1994 - 2013



# Living donor kidney transplants 1994 - 2013



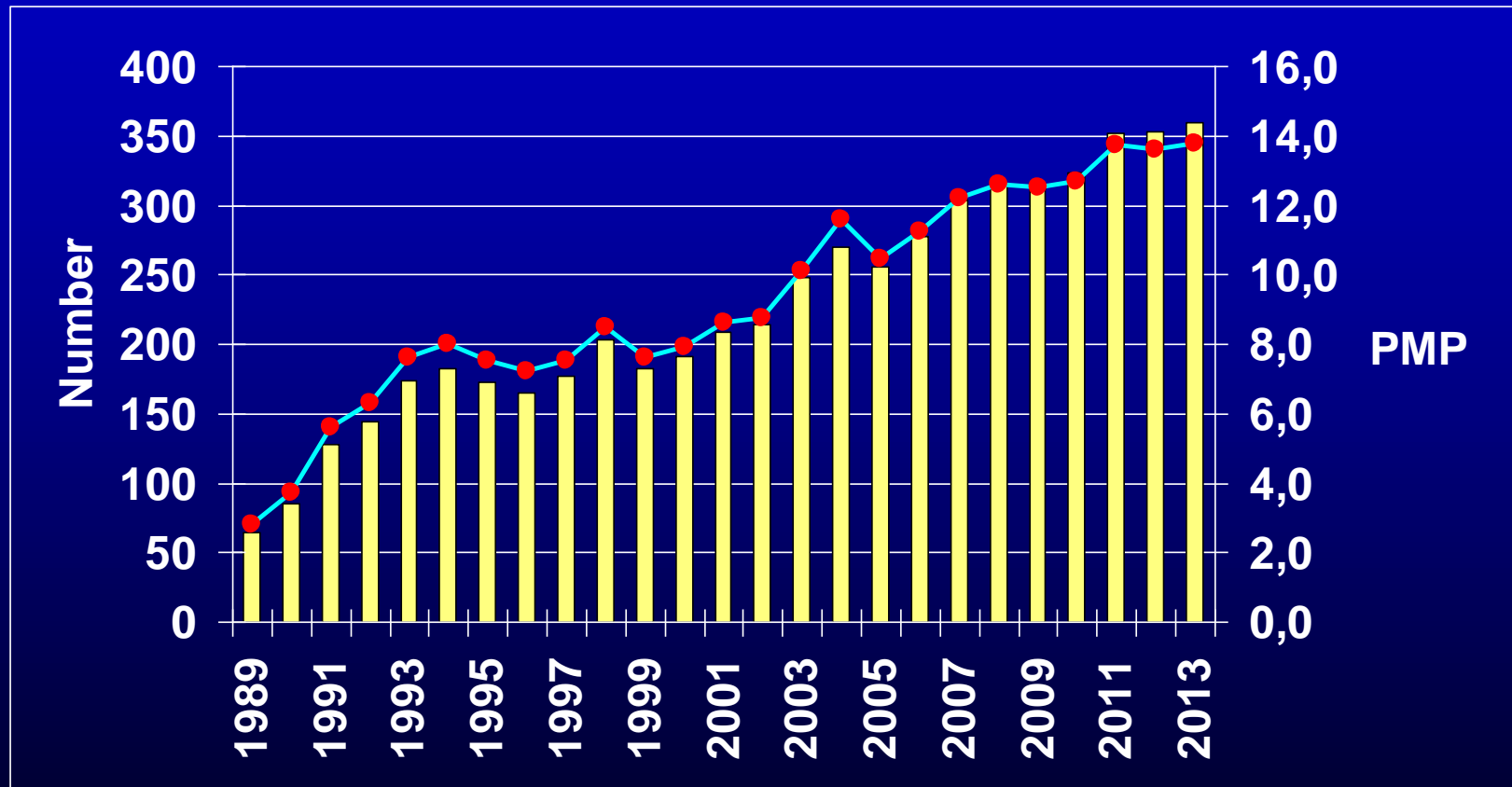
# EXCHANGE CRITERIA

## Kidney transplantation

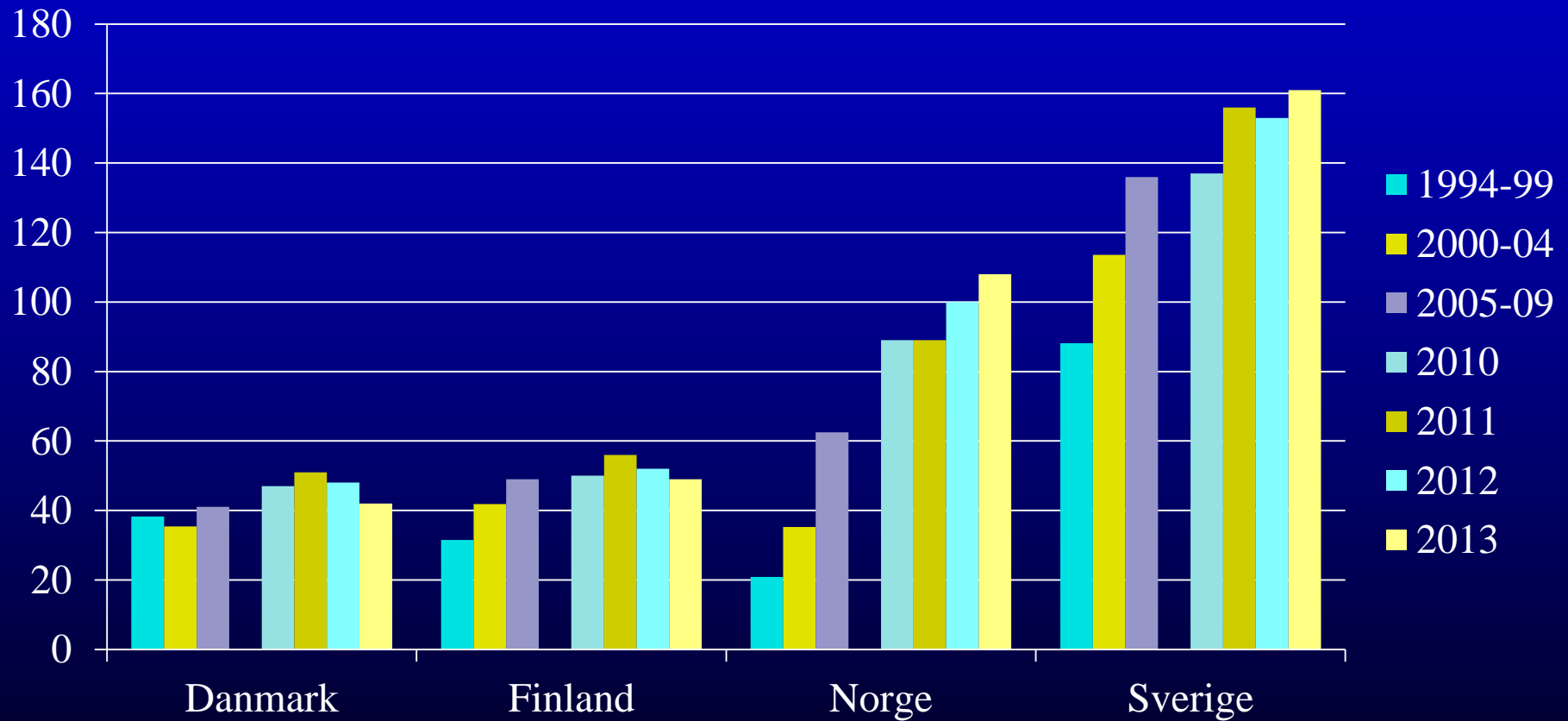
- **Compulsory exchange of at least one HLA-A,-B,-DR compatible kidney:**
  - *1. Highly immunized ( $PRA \geq 80\%$ ) patients who are HLA-A,-B,-DR compatible with donor.*
  - *2. Scandiatriansplant acceptable mismatch program.*
  - *3. Immunized patients ( $PRA \geq 10\%$  but below 80%) who are HLA,A,B,DR compatible with donor.*
  - *4. If organ donor is <40 years of age, at least one kidney is offered to recipient <16 years of age (counted from time of registration), if there is HLA-DR compatibility and in addition not more than 2 HLA-A,B mismatches.*
  - *5. Patients who are HLA-A,-B,-DR compatible with donor unless the proposed recipient is >30 years older than the donor.*
  - blood group 0 kidneys to blood group 0 recipients.
  - blood group B kidneys to blood group B recipients.
  - Return of another kidney within 6 months.

# Liver Transplantation

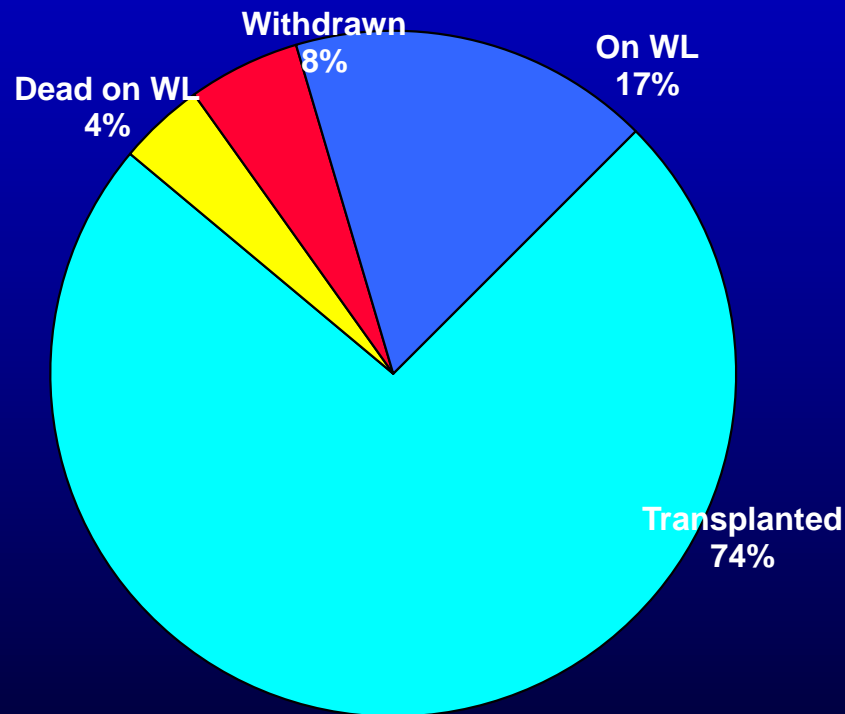
# Liver Transplantation 1989 - 2013



# Liver Transplants 1994-2013



# 402 new patients on liver waiting list 2013



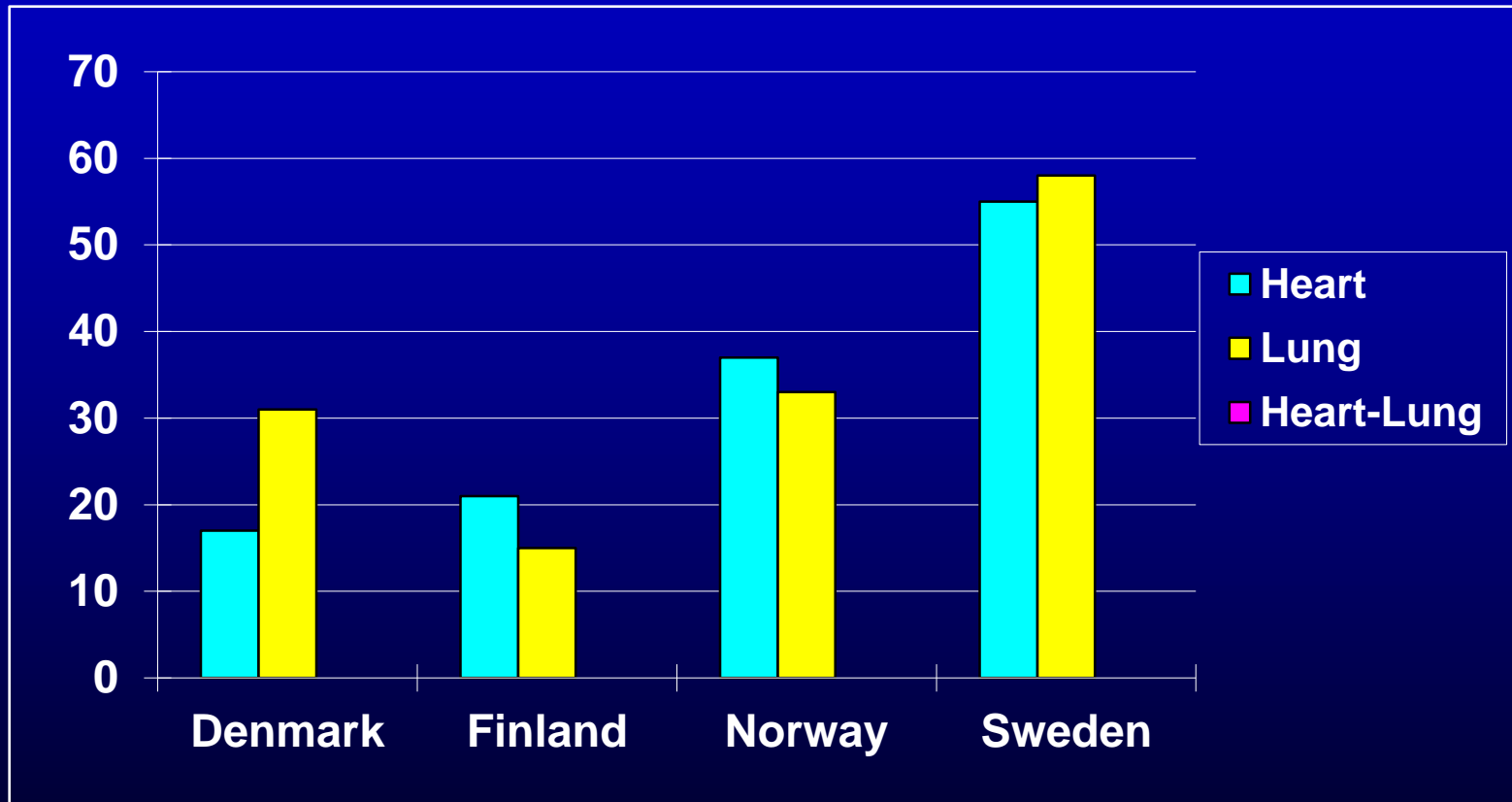
# EXCHANGE CRITERIA

## Liver transplantation

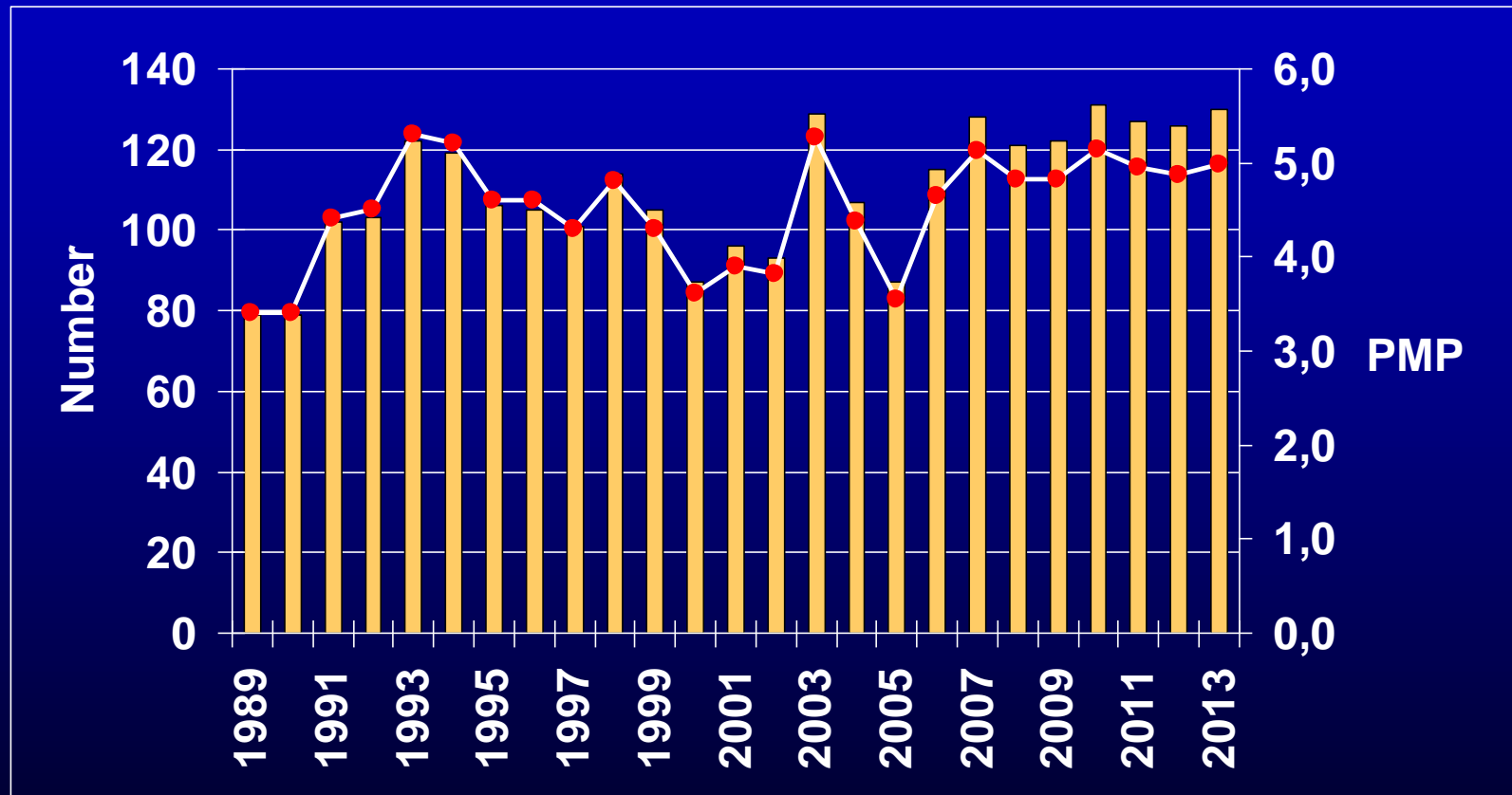
- **Compulsory exchange to highly urgent patients on waiting list:**
  - acute liver failure
  - acute liver re-transplantation
  - highly urgent patients on waiting list must be transplanted within 72 hours
  - Return (pay back) liver to Donor center
- **Rota system**

# Thoracic Organ Transplantation

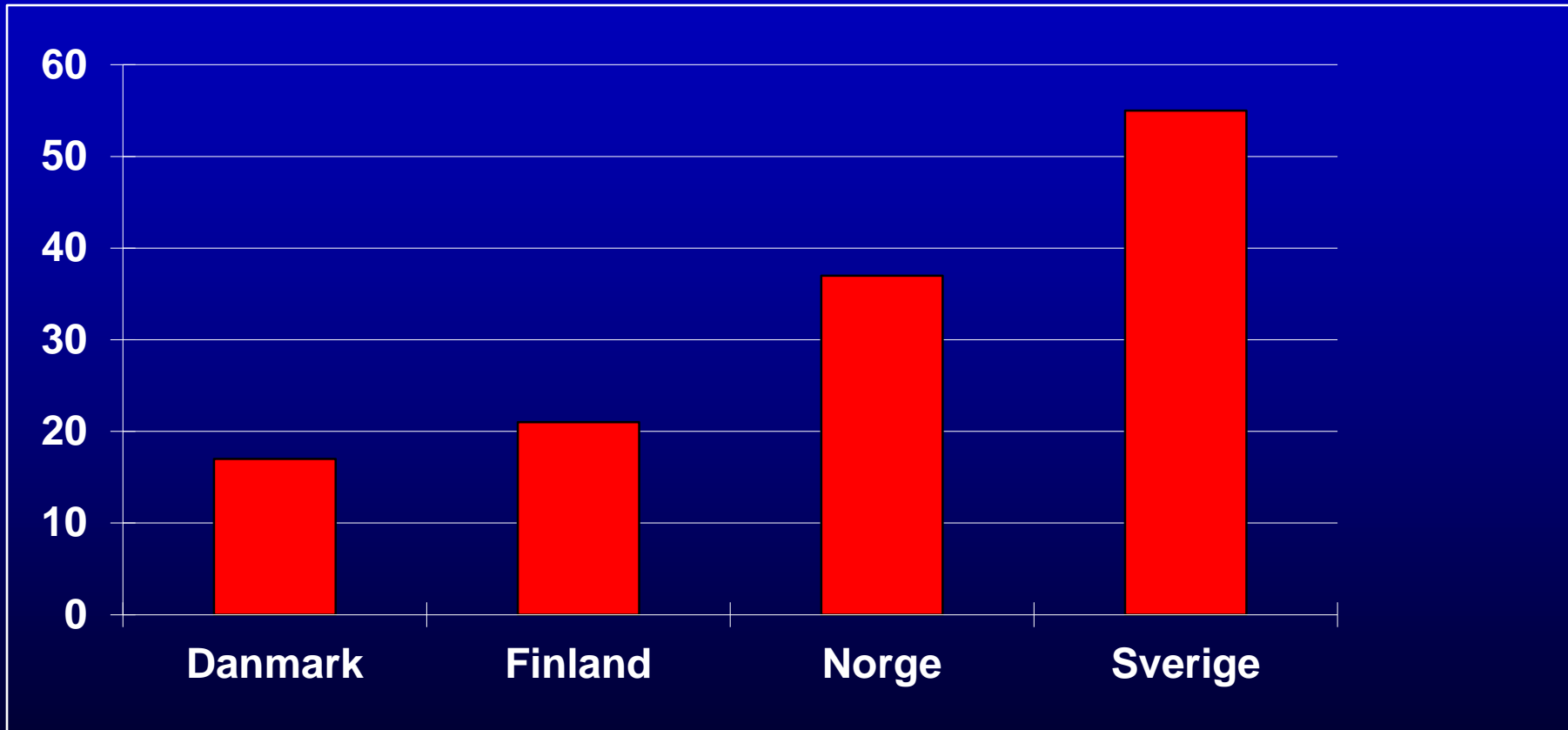
# Thoracic organ transplants 2013



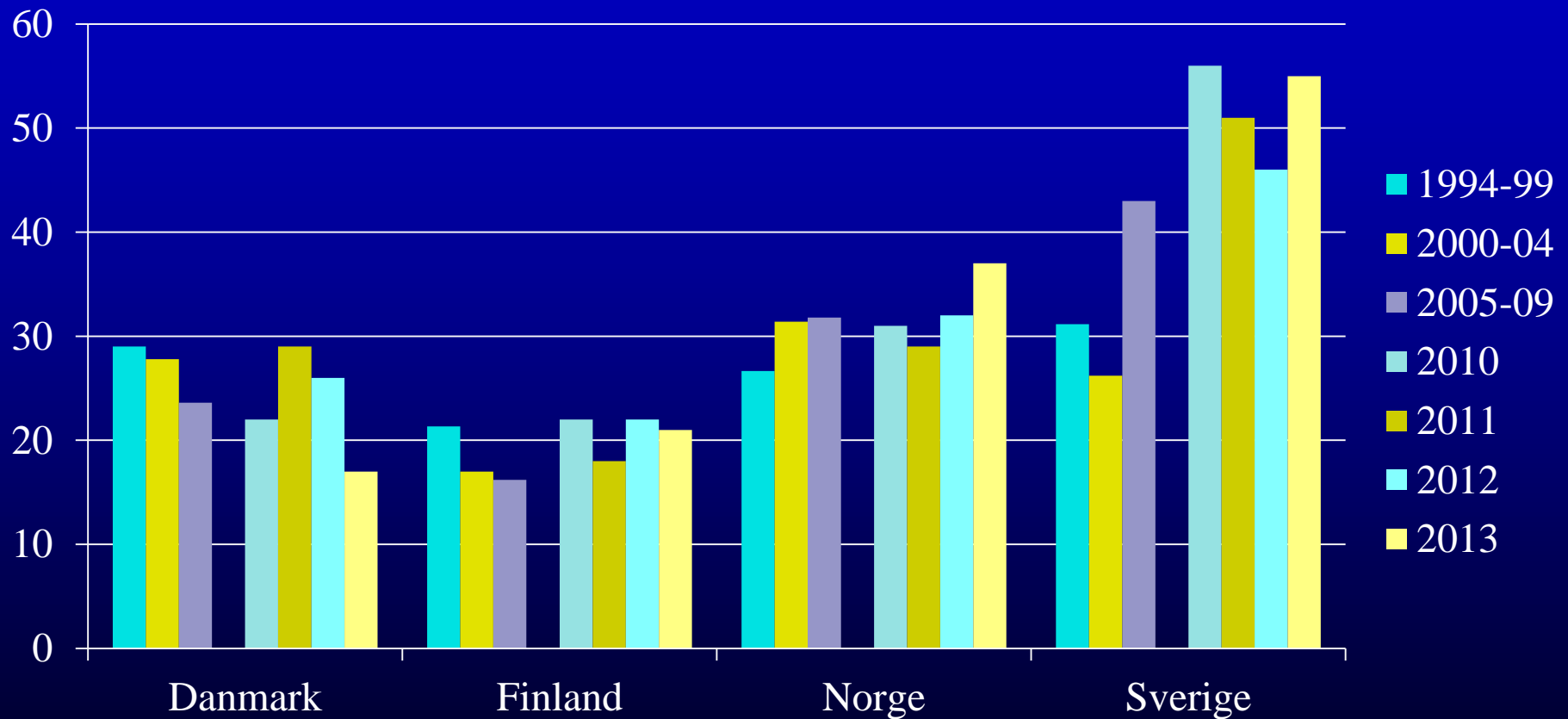
# Heart Transplantation 1989 - 2013



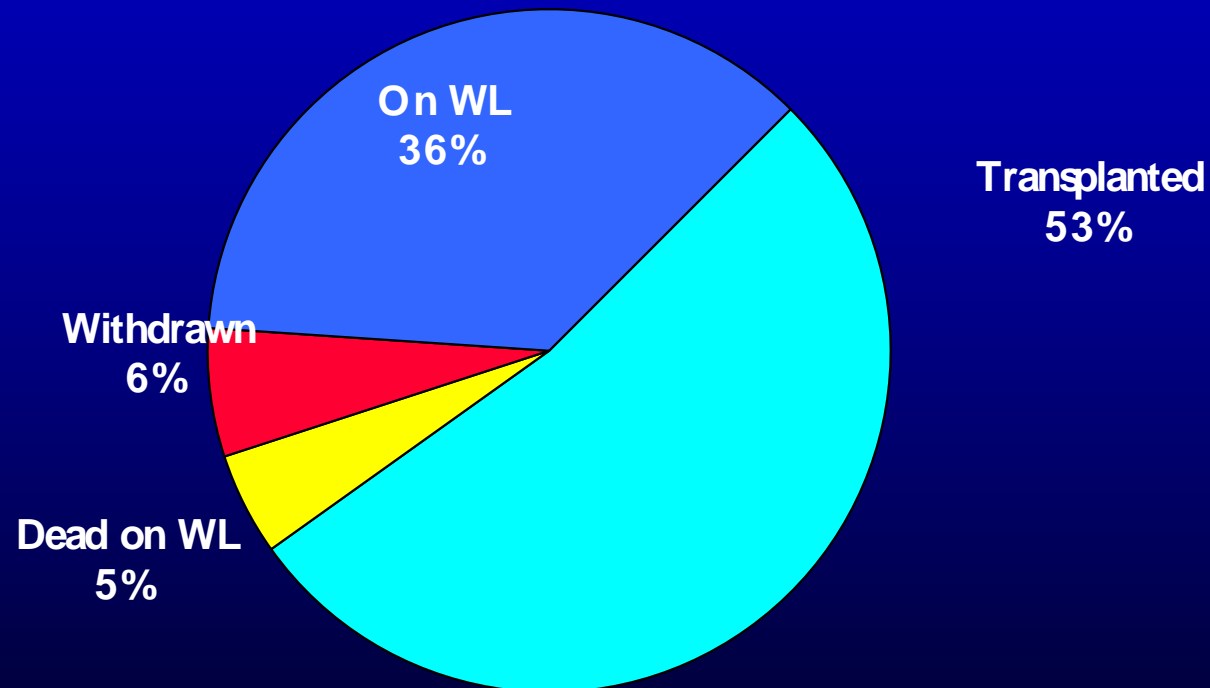
# Heart transplantation 2013



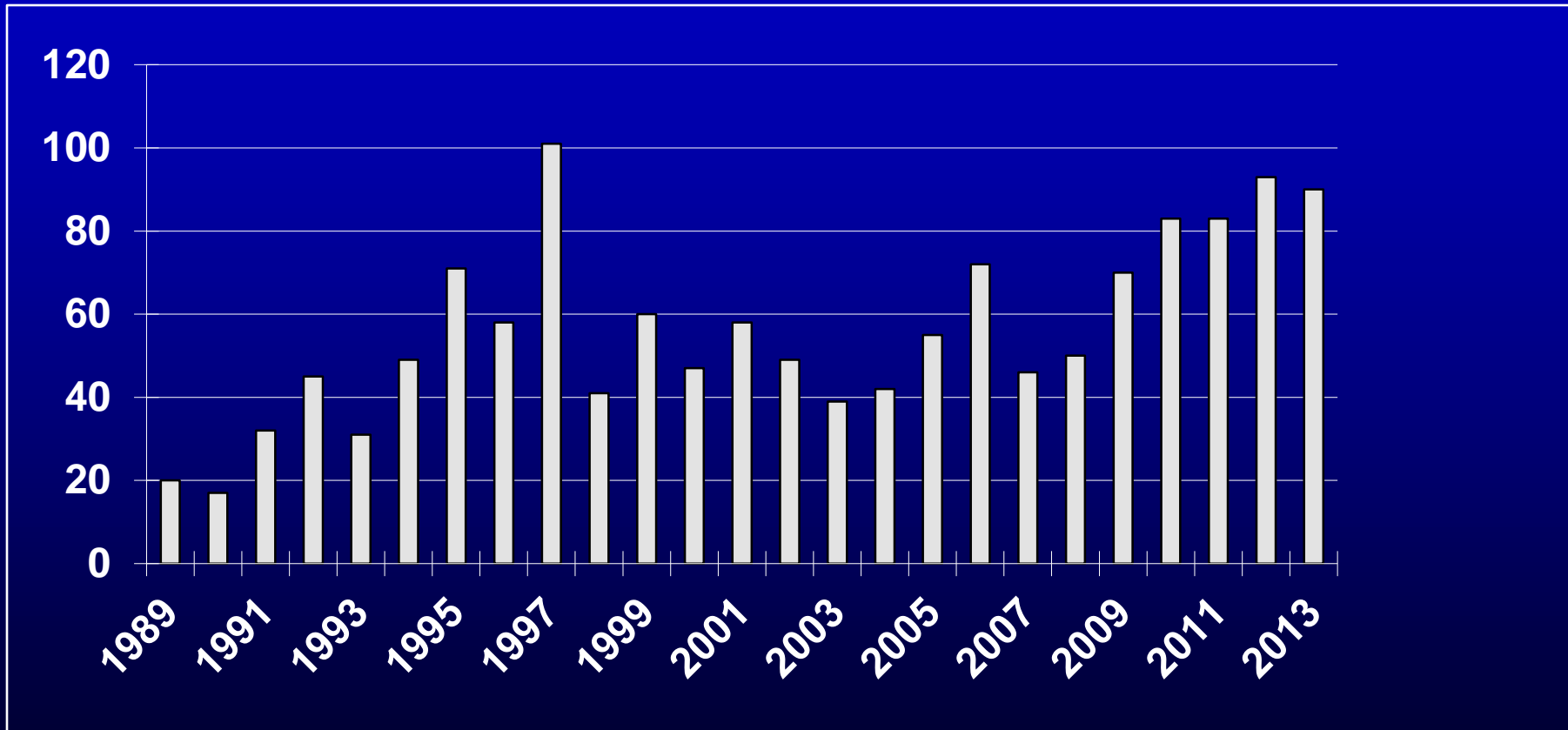
# Heart Transplantation 1994 - 2013



# 156 new patients on heart waiting list 2013



# Heart waiting list 1989 - 2013

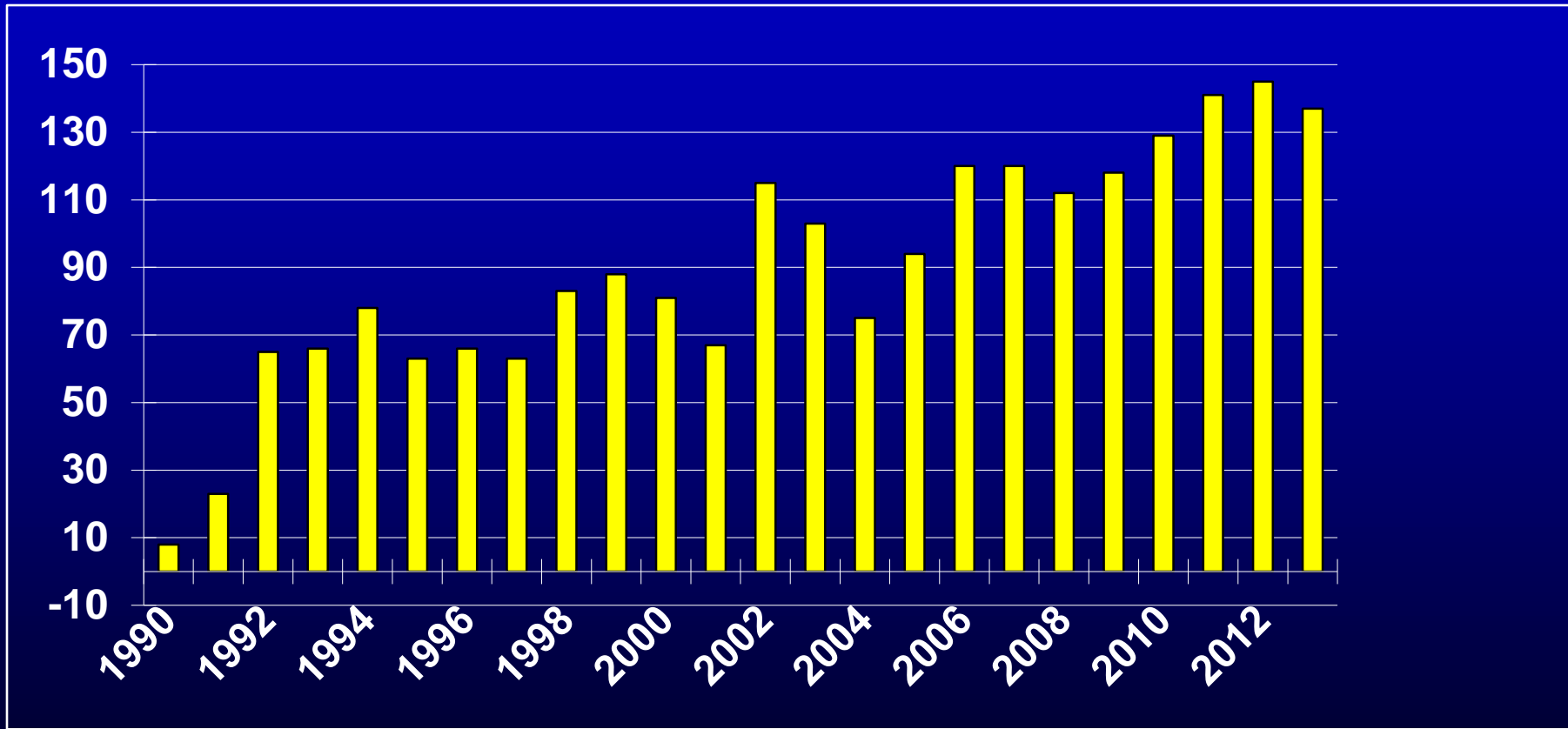


# EXCHANGE CRITERIA

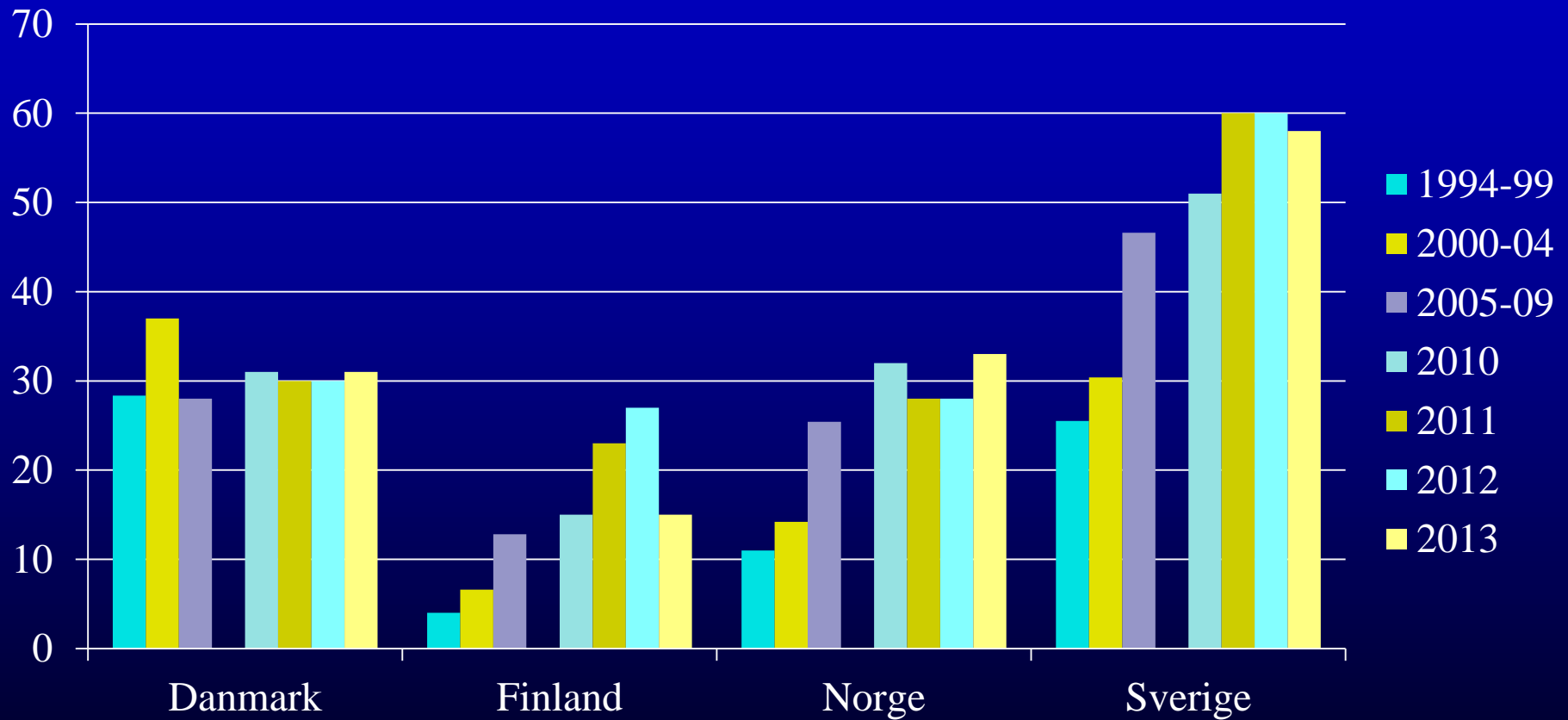
## Heart transplantation

- **Compulsory exchange to highly urgent patients on waiting list:**
  - Patient on short-term assist devices (ECMO, centrifugal pump).
  - Patient on paracorporeal or implantable blood pump with device failure or uncontrollable device infection.
  - patients below 16 years on inotropic support or more than 12 months support on implantable LVAS.
- Rota system

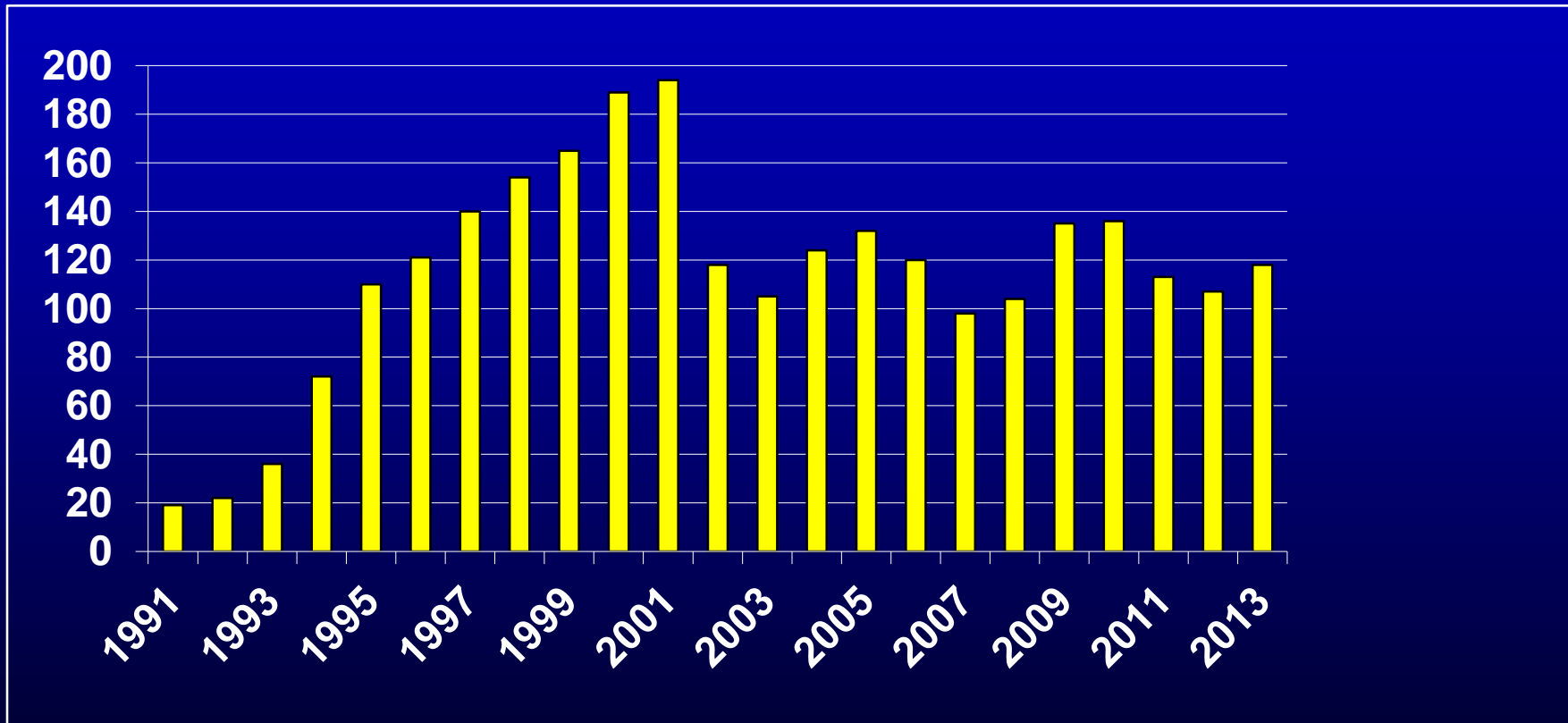
# Lung transplantation including heart-lung



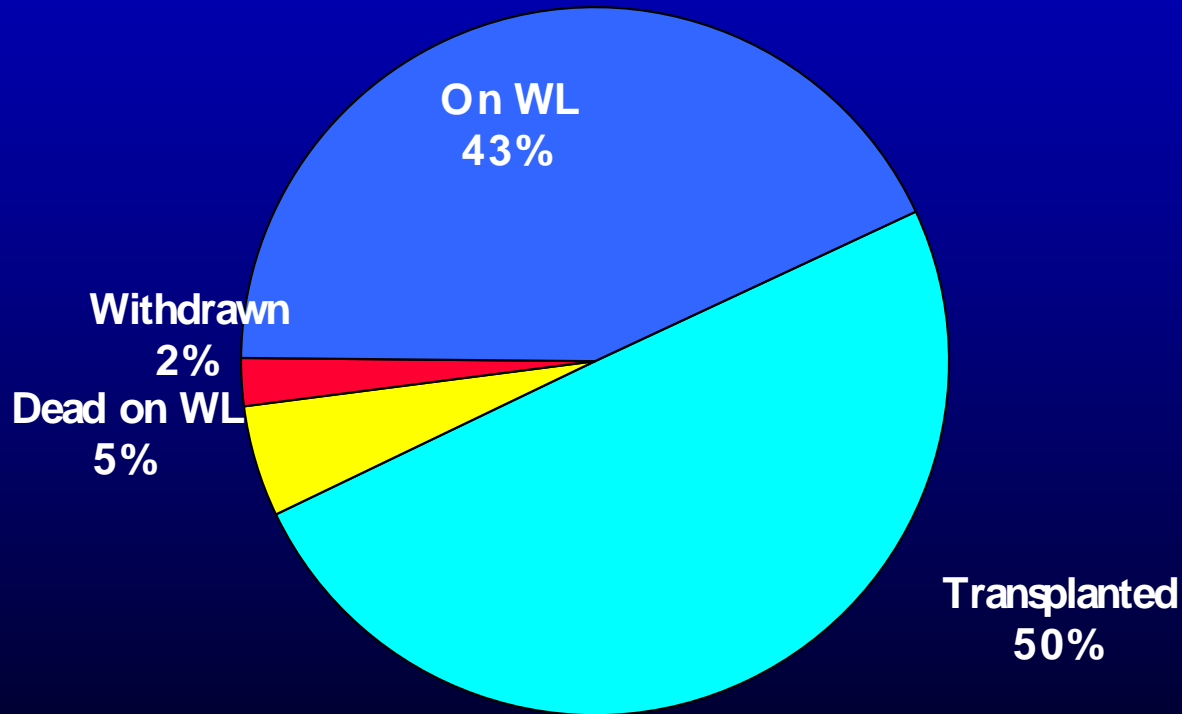
# Lung Transplantation 1994 - 2013



# Lung waiting list 1991 – 2013



# 166 new patients on lung waiting list 2013



# EXCHANGE CRITERIA

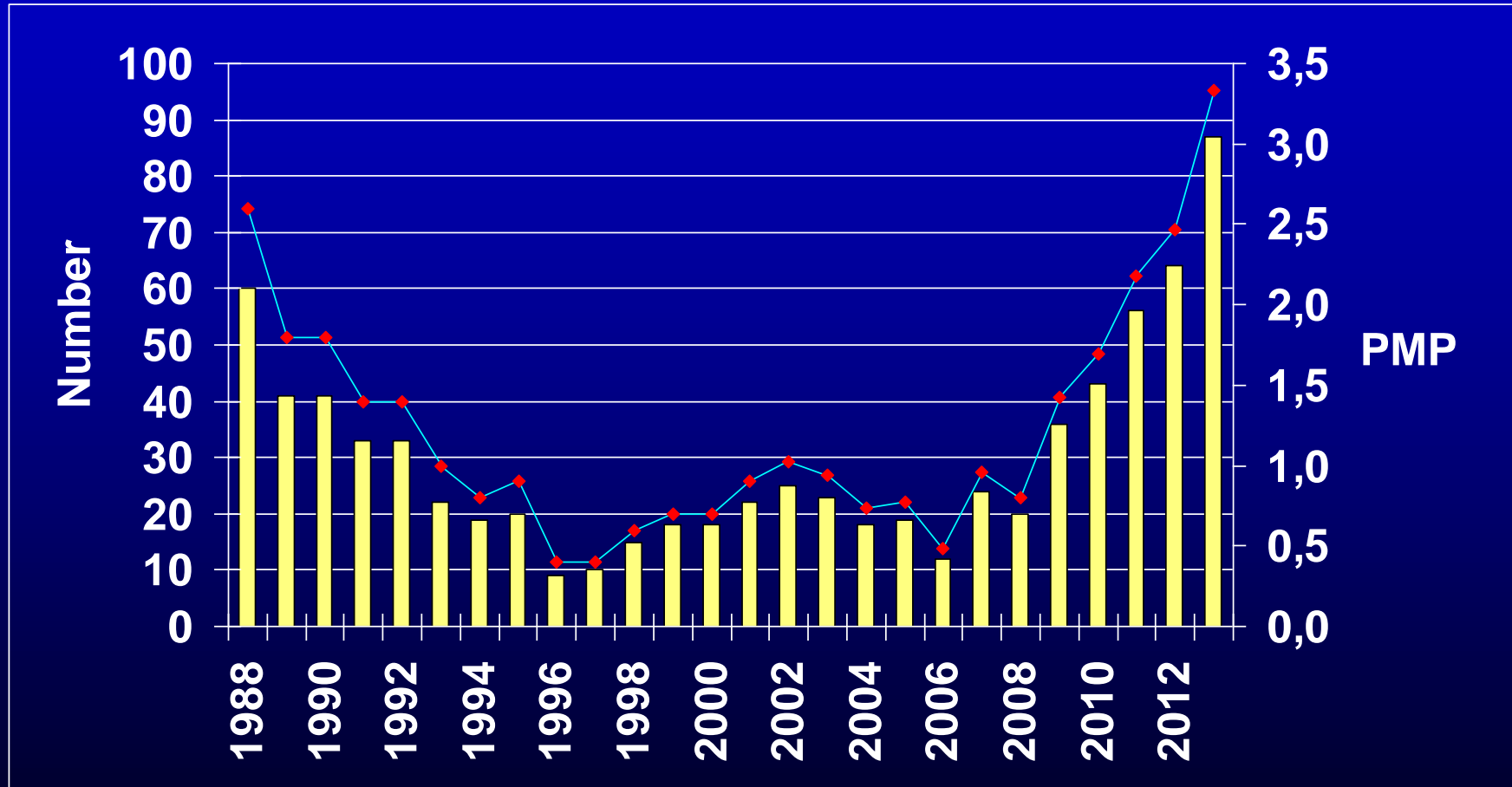
## Lung transplantation

- **Compulsory exchange to highly urgent patients on waiting list (max. three patients per center per year)**
  - Priority 0: Patient on extra-corporeal circulatory support (ECMO, Novalung or other device) or ventilatory support\*.
  - Priority 1: Patient with a rapid progression of organ failure with poor prognosis in a short time defined by the responsible centre\*.
- **Rota system**

# Pancreas Transplantation

# Pancreas Transplantation

## 1988 – 2013





**Thank you**