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Slideshow 2014

Scandiatransplant activities

Slide presentation of Scandiatransplant activities 2014	
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Thoracic organ transplantation	Slide 34
Pancreas transplantation	Slide 47



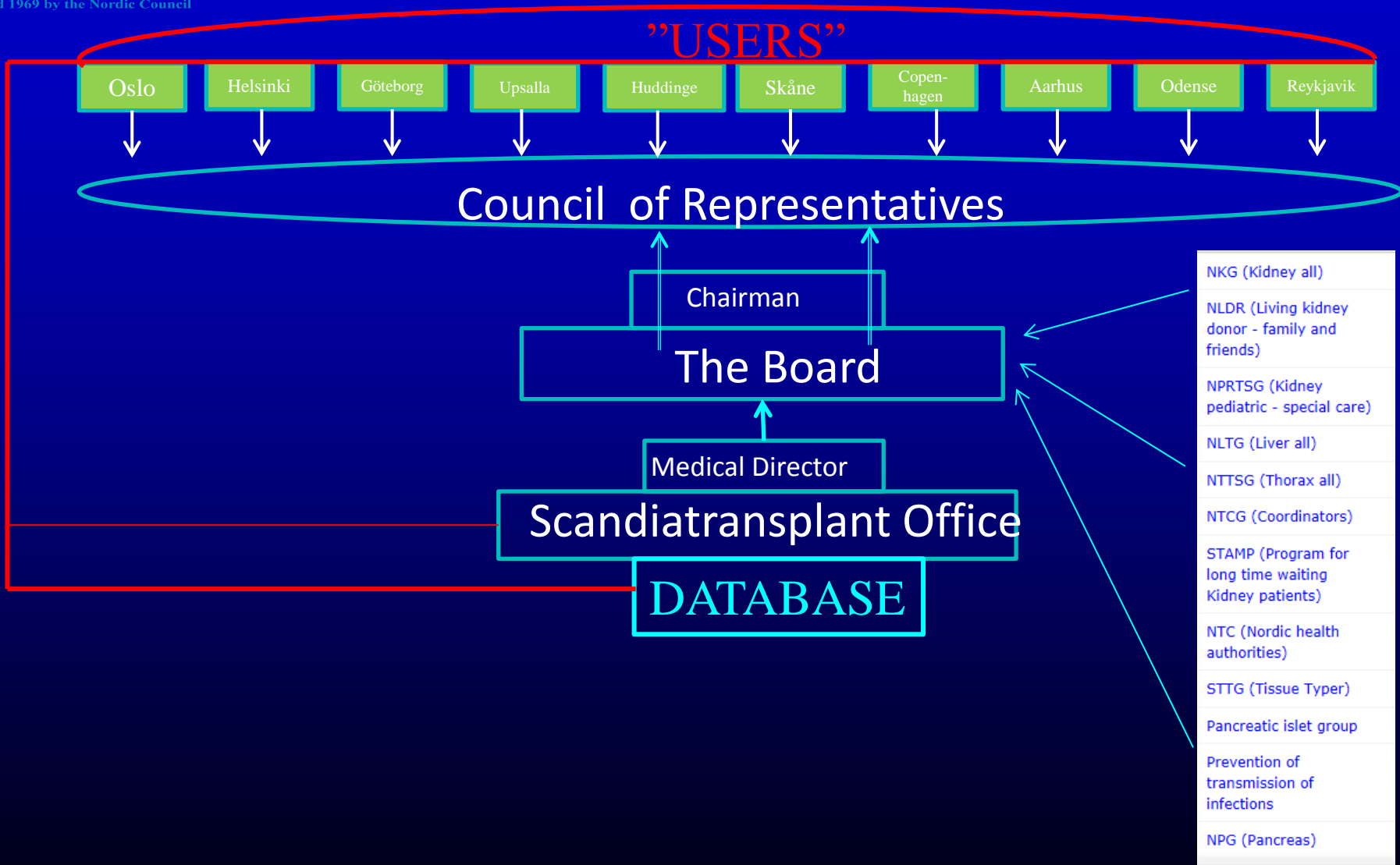
Scandiatransplant

- 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 Univesity 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

Scandiatransplant organisation



Awarded Grants in 2014

Research Grants

- Principal investigator: Kari Nytrøen. “Effect of exercise after heart transplantation – a Nordic multicenter population based study”. Supported with 40.000 €.

Travel Grant

- Einar Gude: 15,000 DDK.
- Per Arne Bakken, Stein Foss & Monika Storrø: 15,000 DDK .
- Tanja Hölvold & Åsa Svärd: 10,000 DDK.
- Hans Henrik Lawaetz Schultz: 10,000 DKK.
- Margret B. Andresdottir: 7,500 DDK.
- Ilkka Helanterä: 15,000 DKK



Scandiatransplant Office Activities 2014 (1)

- Number 1 priority: Changing to new (YASWA) system:
 - Very crucial due to unsupported software and old hardware.
 - Increase user friendliness and functionality.
- Kept the "old" system running to ensure correct organ allocation 24/7.
- Huge amounts of programming and testing done.



Scandiatransplant Office Activities 2014 (2)

- 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 the STS 2014. Engaged in revision of the articles according to mandate from the council 2014.
- Participated in meetings with Nordic competent authorities, EU-commission and EU projects.
- Taking care of finance and personnel.

Figures for 2014



**Organ procurement and
transplantation activities in
Scandiatriansplant**

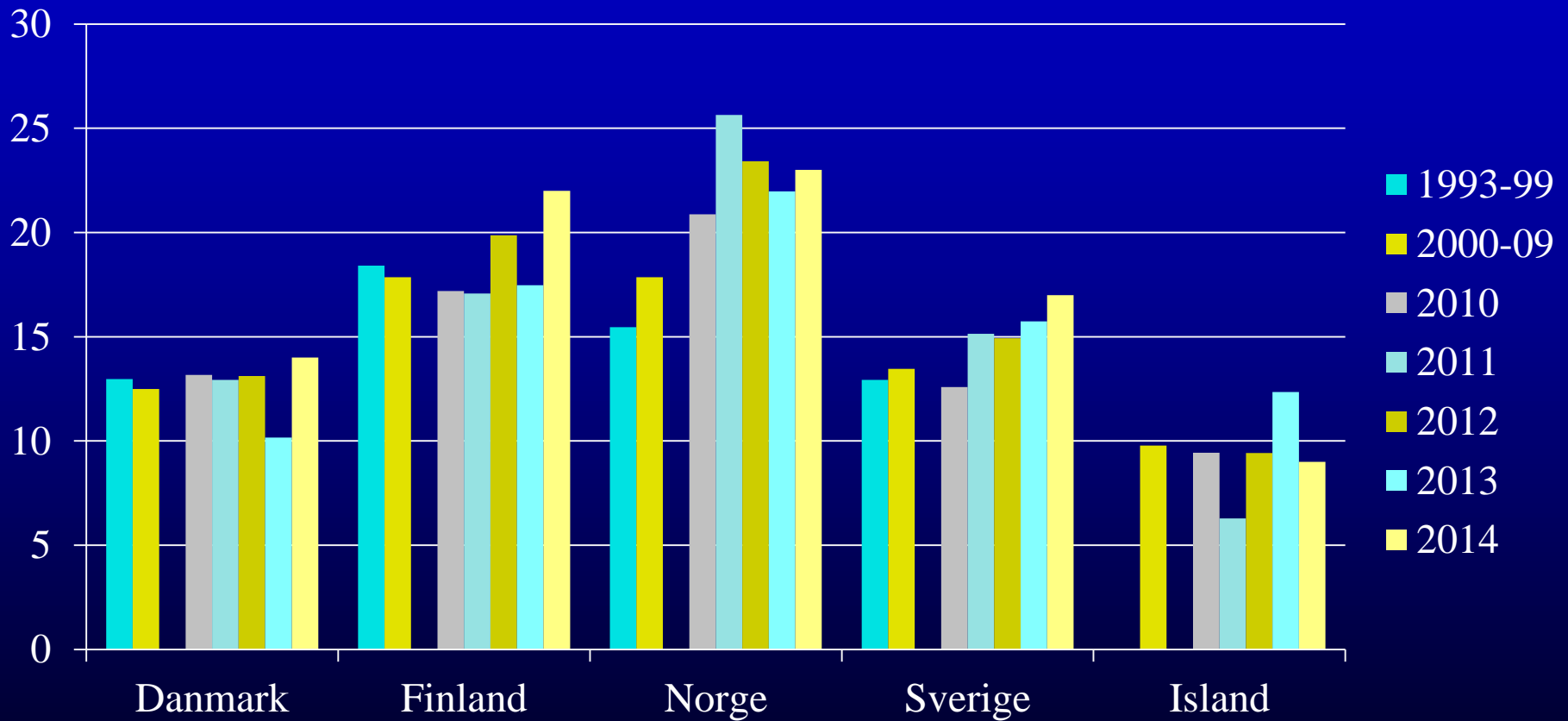
Scandiatransplant 2014

- **484 Utilized deceased donors (18.36 PMP)**
- **organ transplants performed**
 - 1212 kidneys (352 were living related)*
 - 388 livers (6 were living related – 5 were domino)*
 - 157 hearts (0 were domino)*
 - 133 lungs including heart/lung*
 - 84 pancreas including kidney/pancreas*
- **2272 patients on waiting list at end 2014**

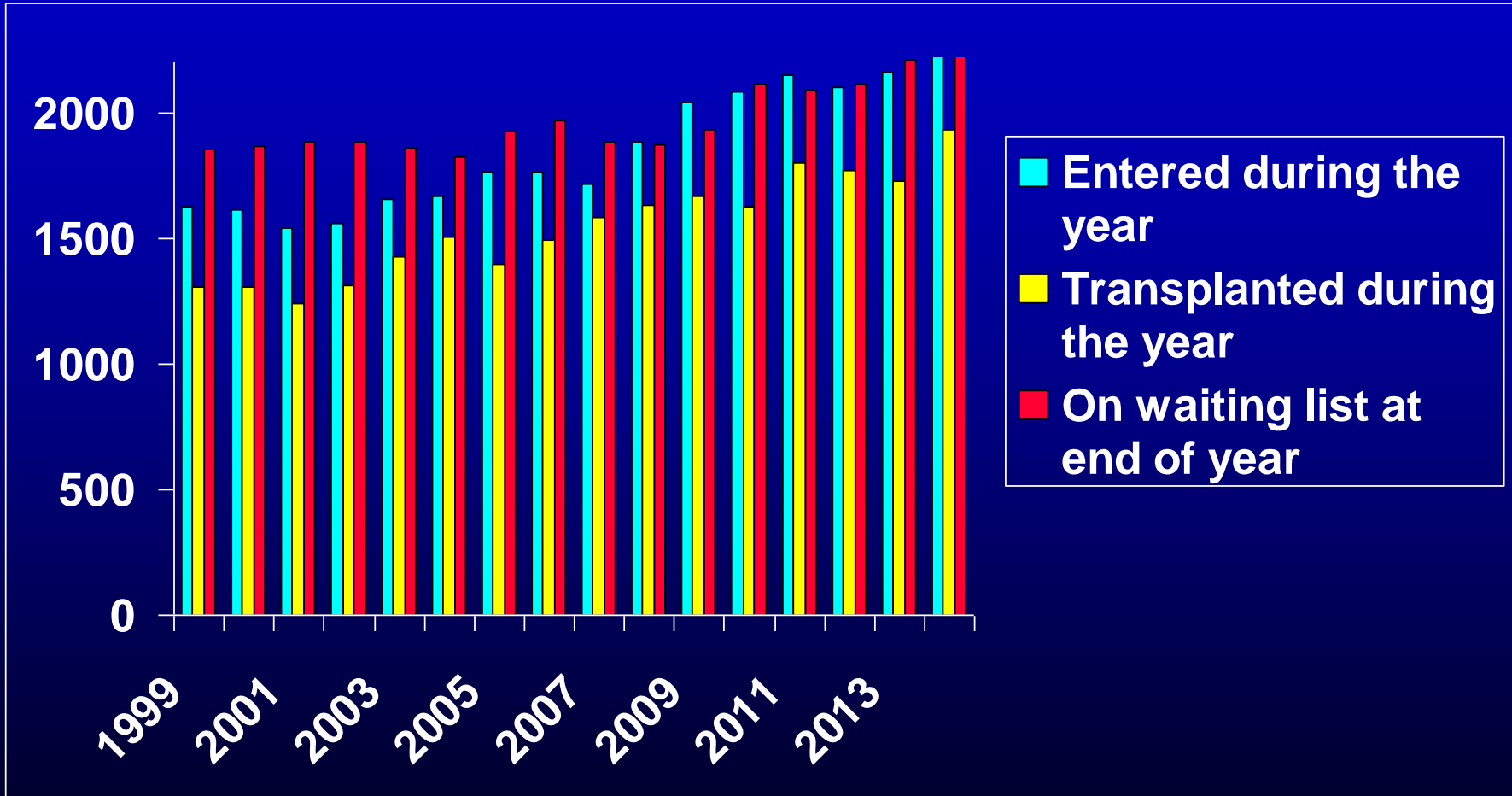
Patients entered on waiting list during 2014 (2013 figures)

- *Kidney:* 1379 (1344)
- *Liver* 451 (392)
- *Heart* 191 (156)
- *Lung* 157 (166)
- *Pancreas* 27 (24)
- *Kidney+Pancreas* 62 (69)
- *Liver+kidney* 8 (10)
- **TOTAL** 2275 (2104)

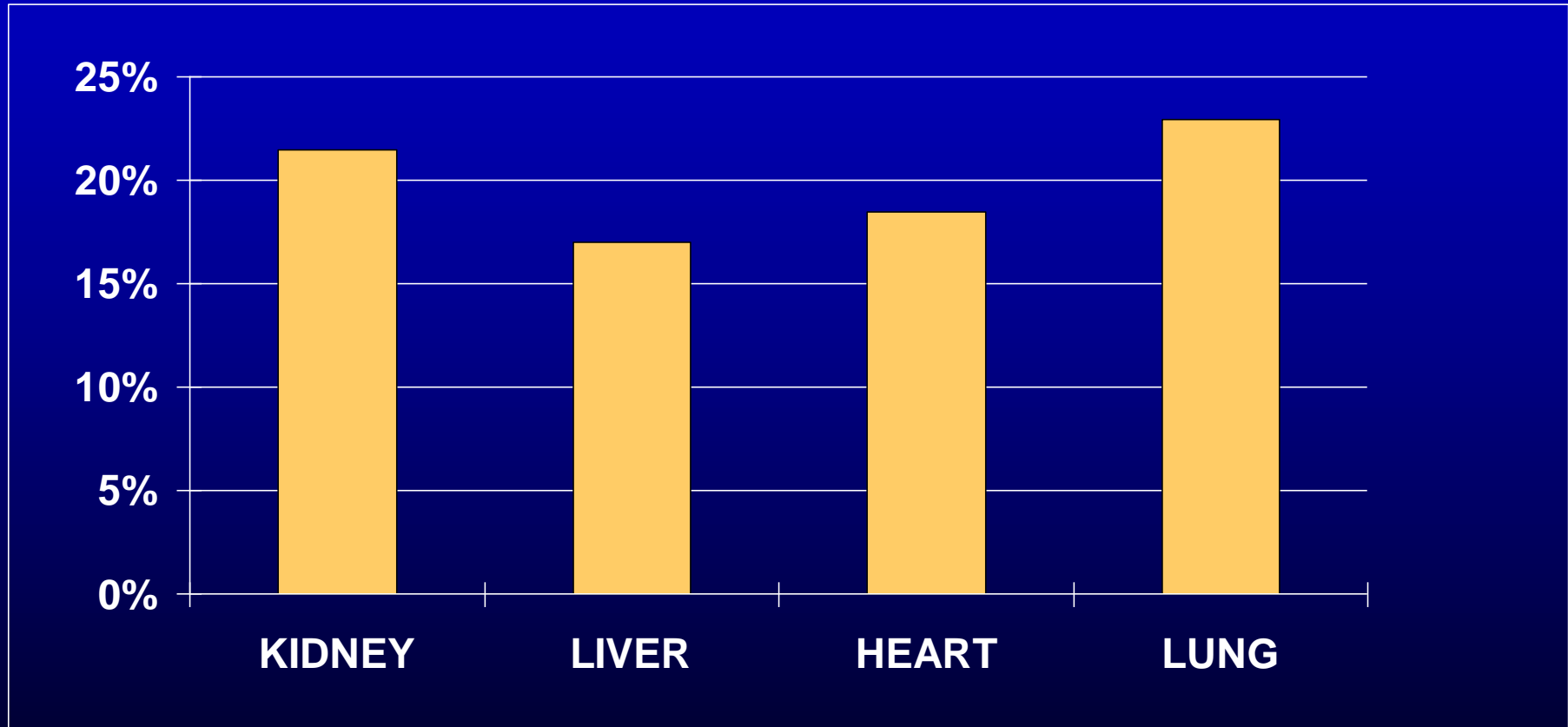
Utilized doners PMP



Flow on the waiting list during a year



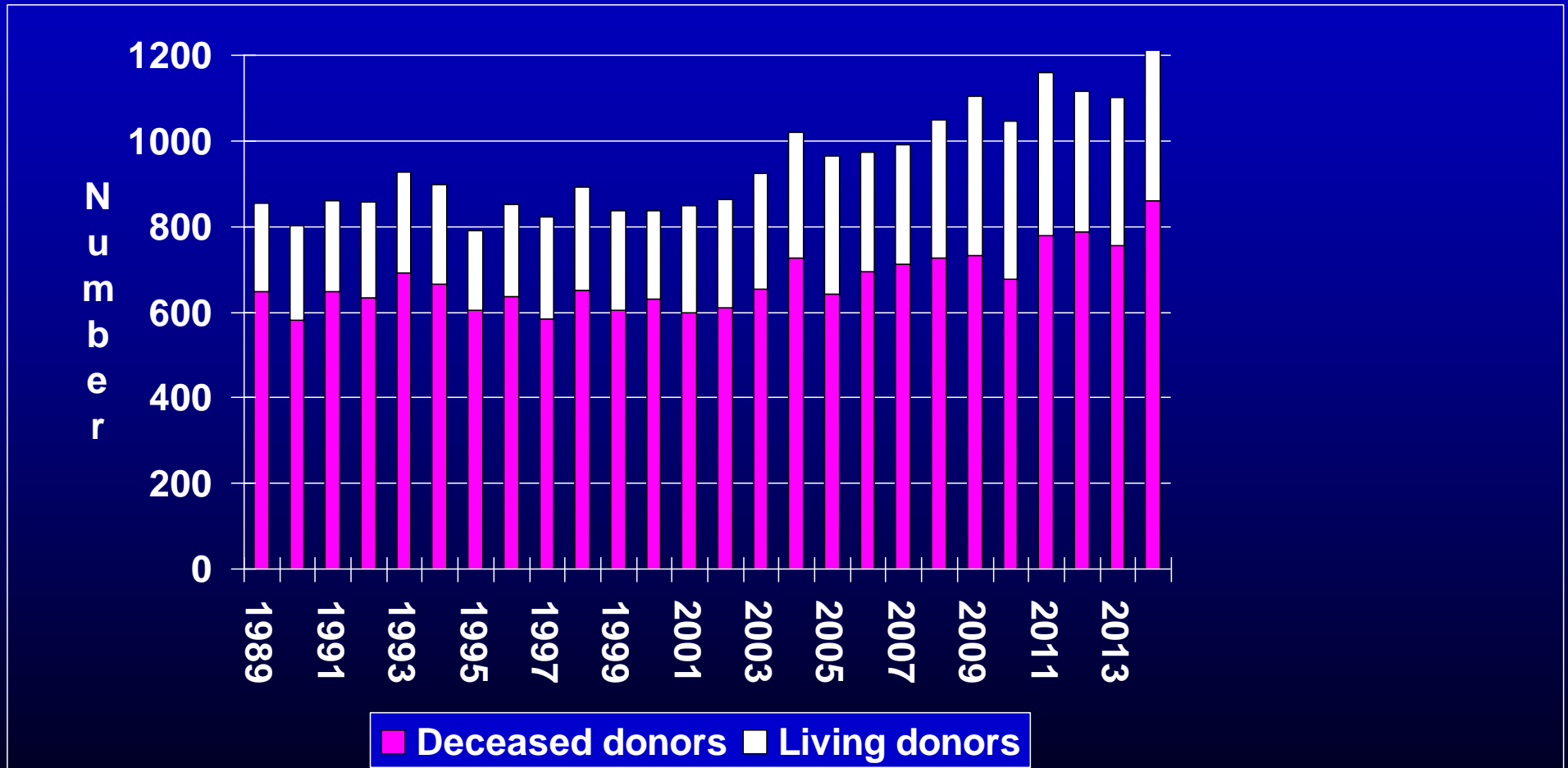
Organ exchange 2014



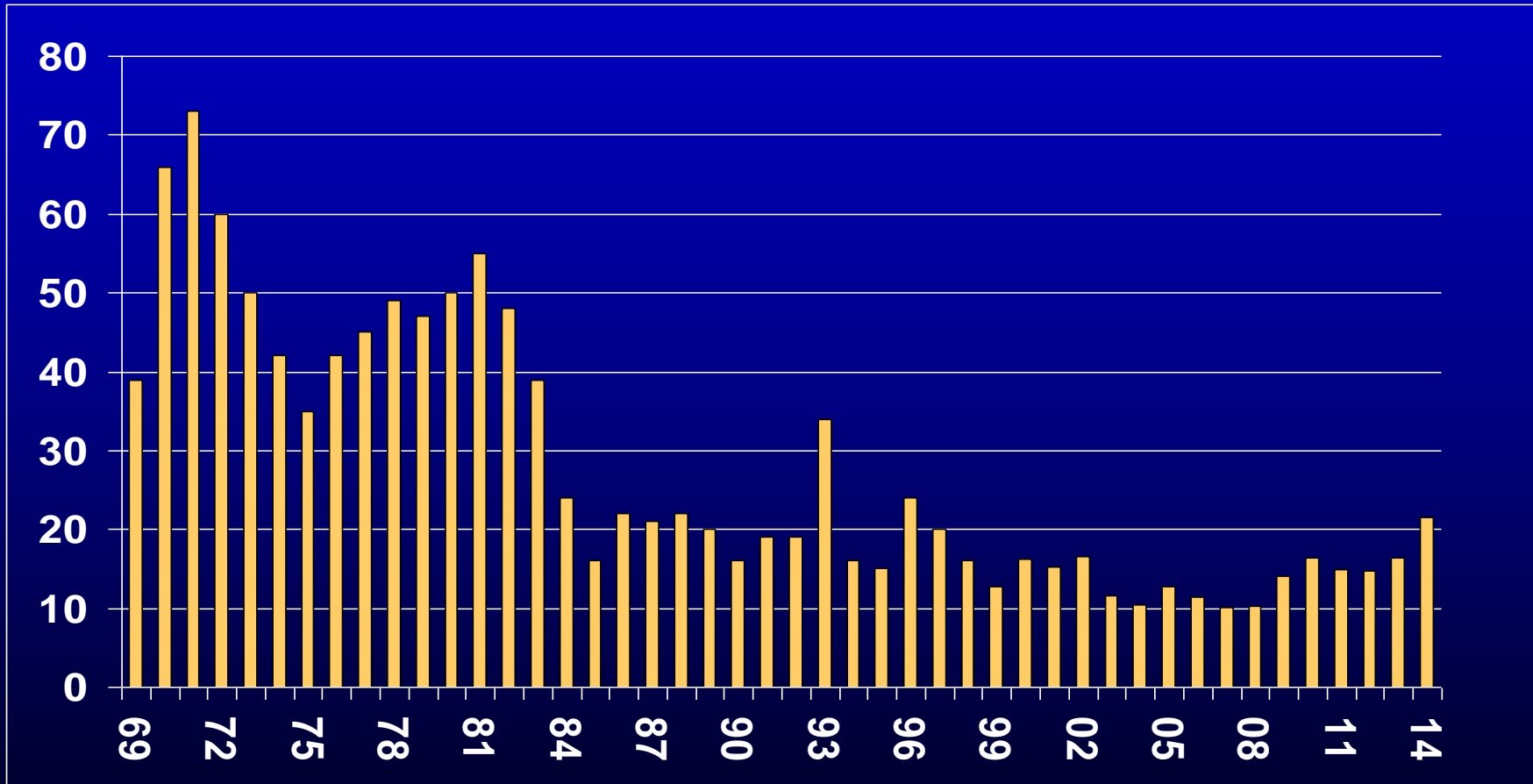


Kidney Transplantation

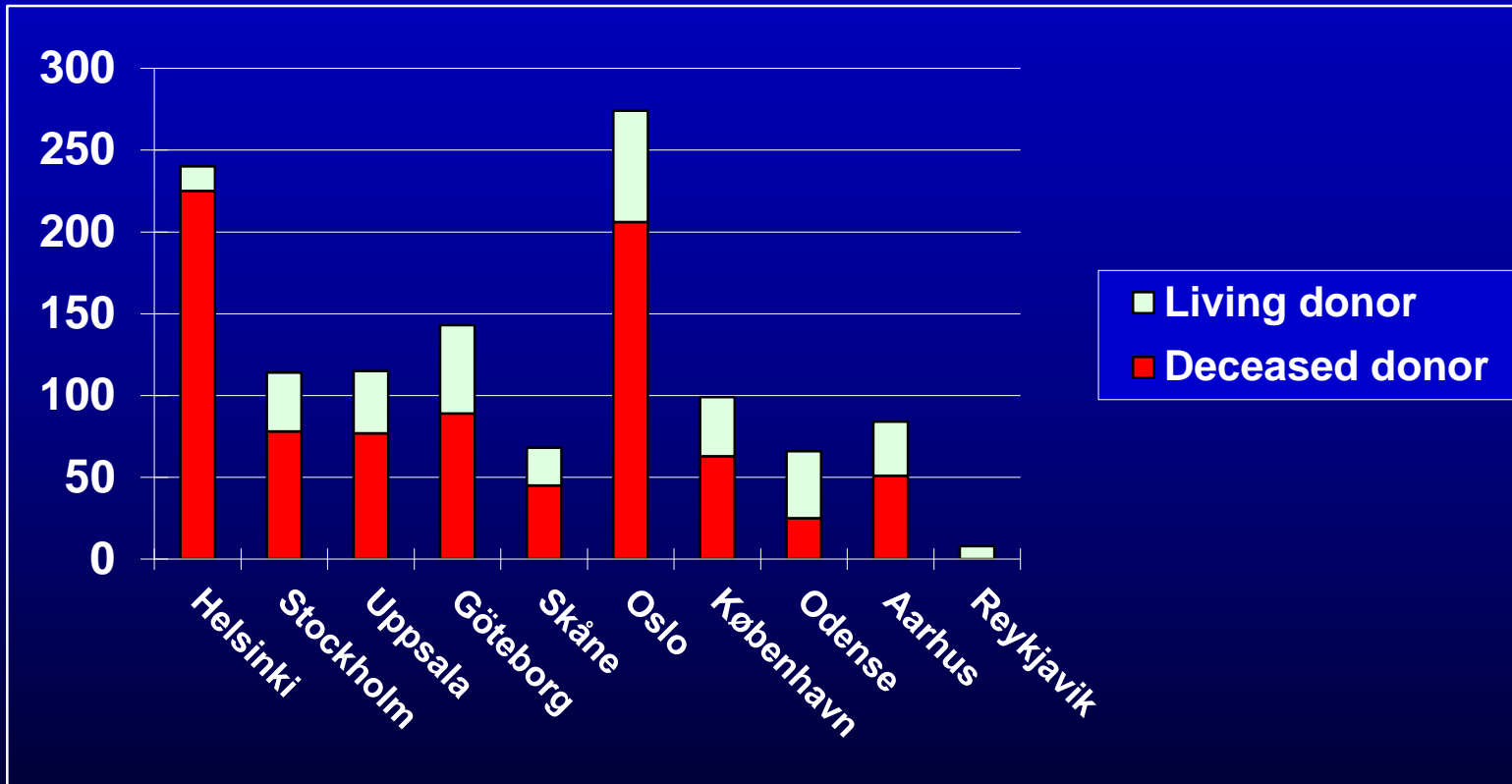
Kidney Transplantation 1989 – 2014



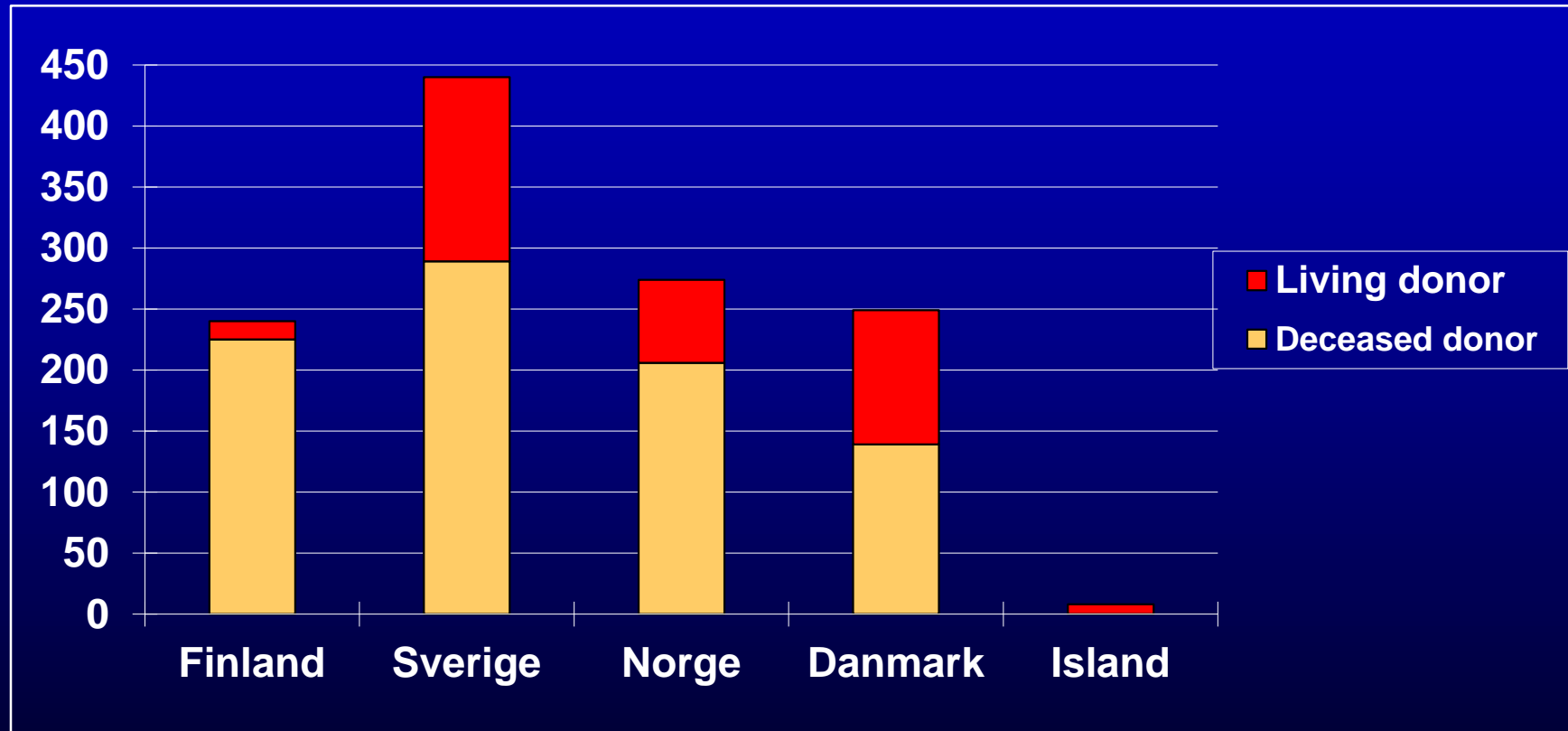
Kidney exchange rate 1969 - 2014



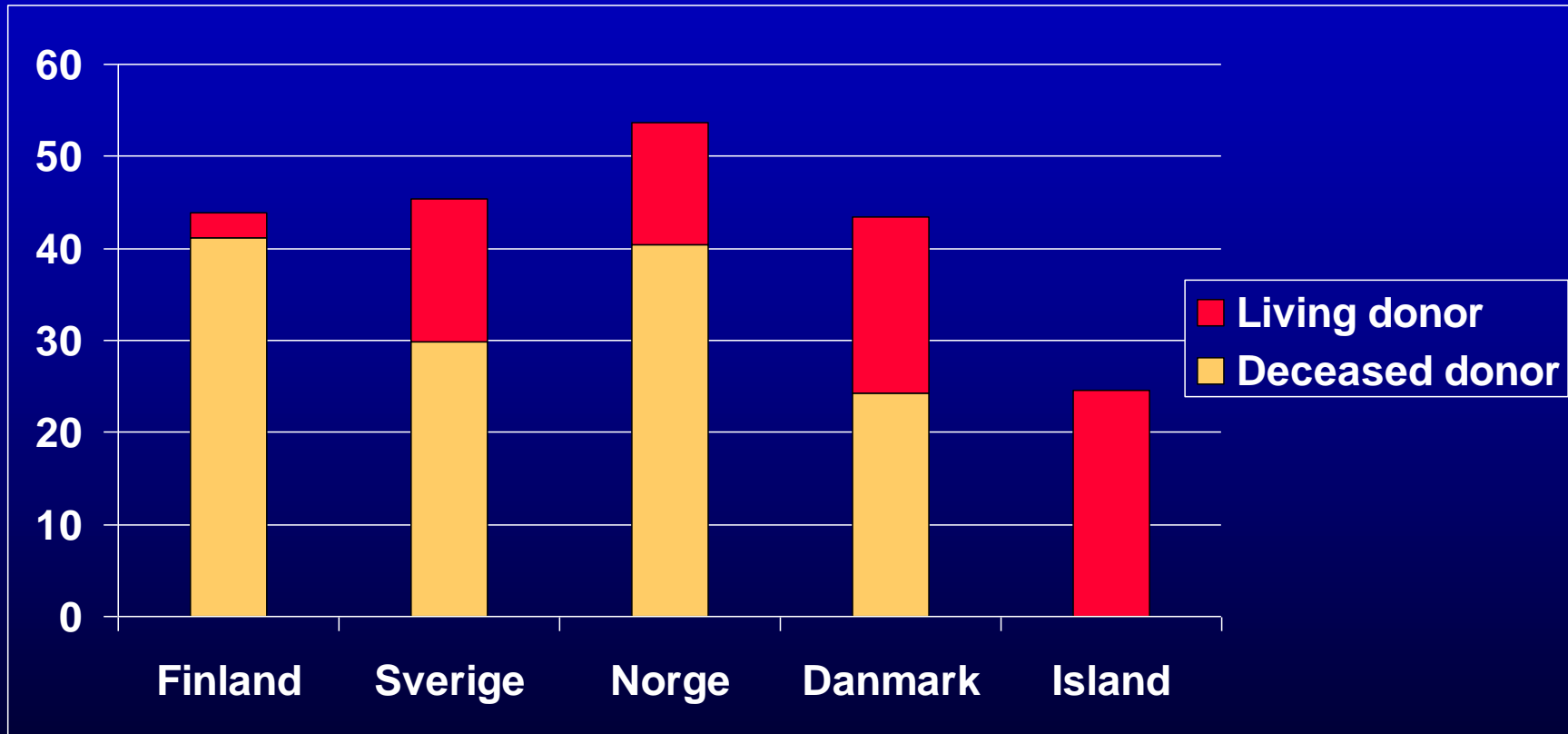
Kidney Transplantation activity 2014 by centre



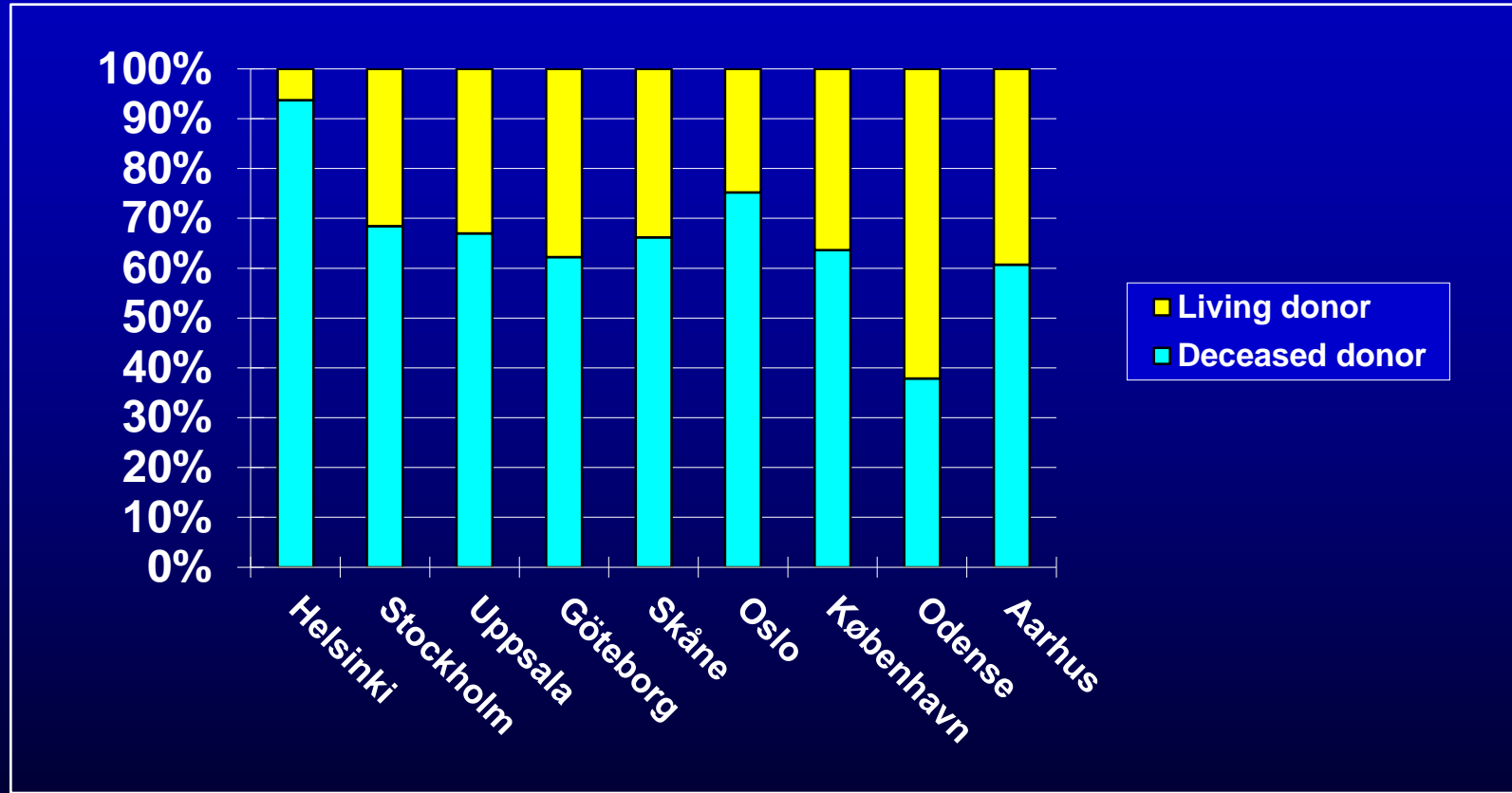
Kidney Transplantation 2014



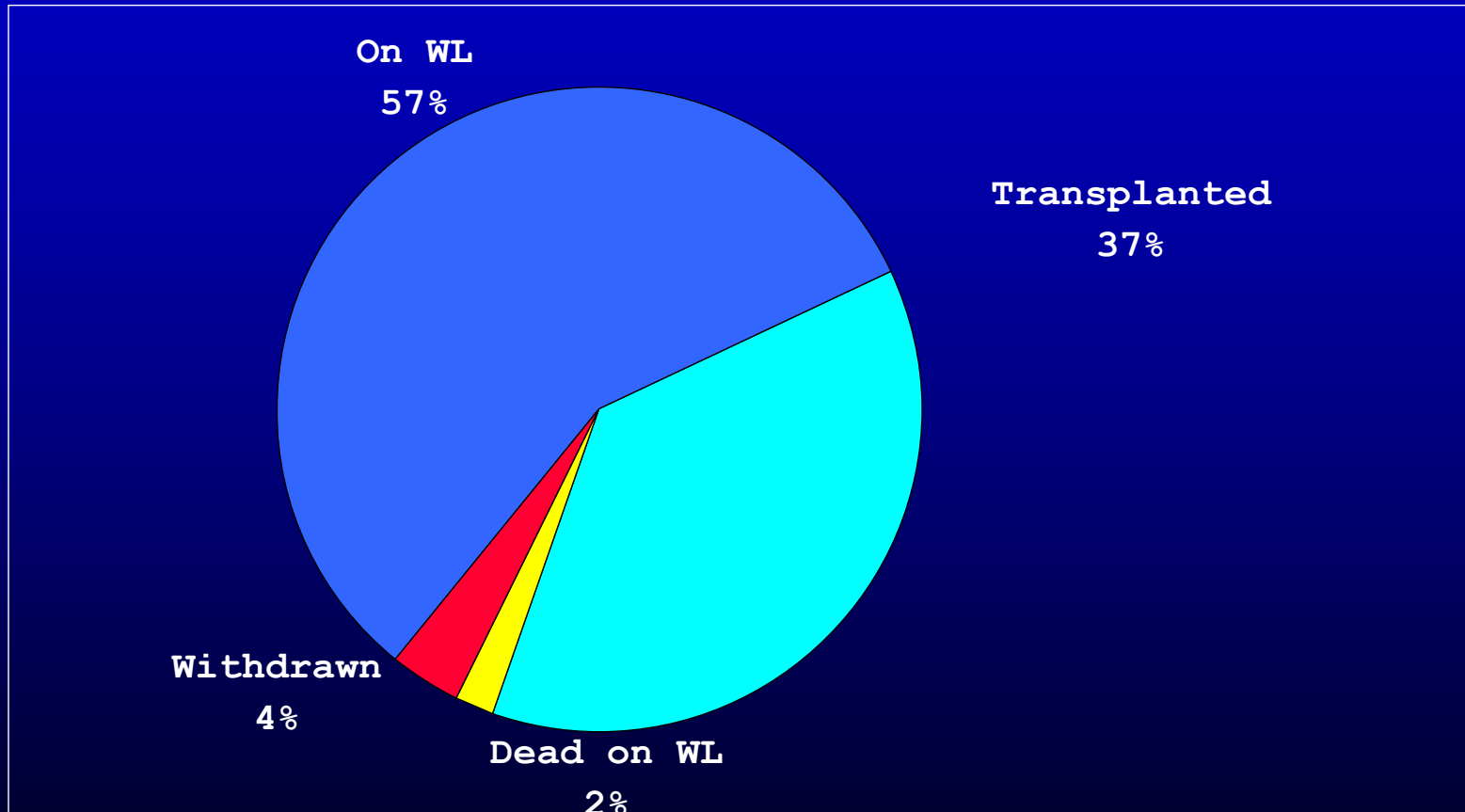
Kidney Transplantation PMP 2014



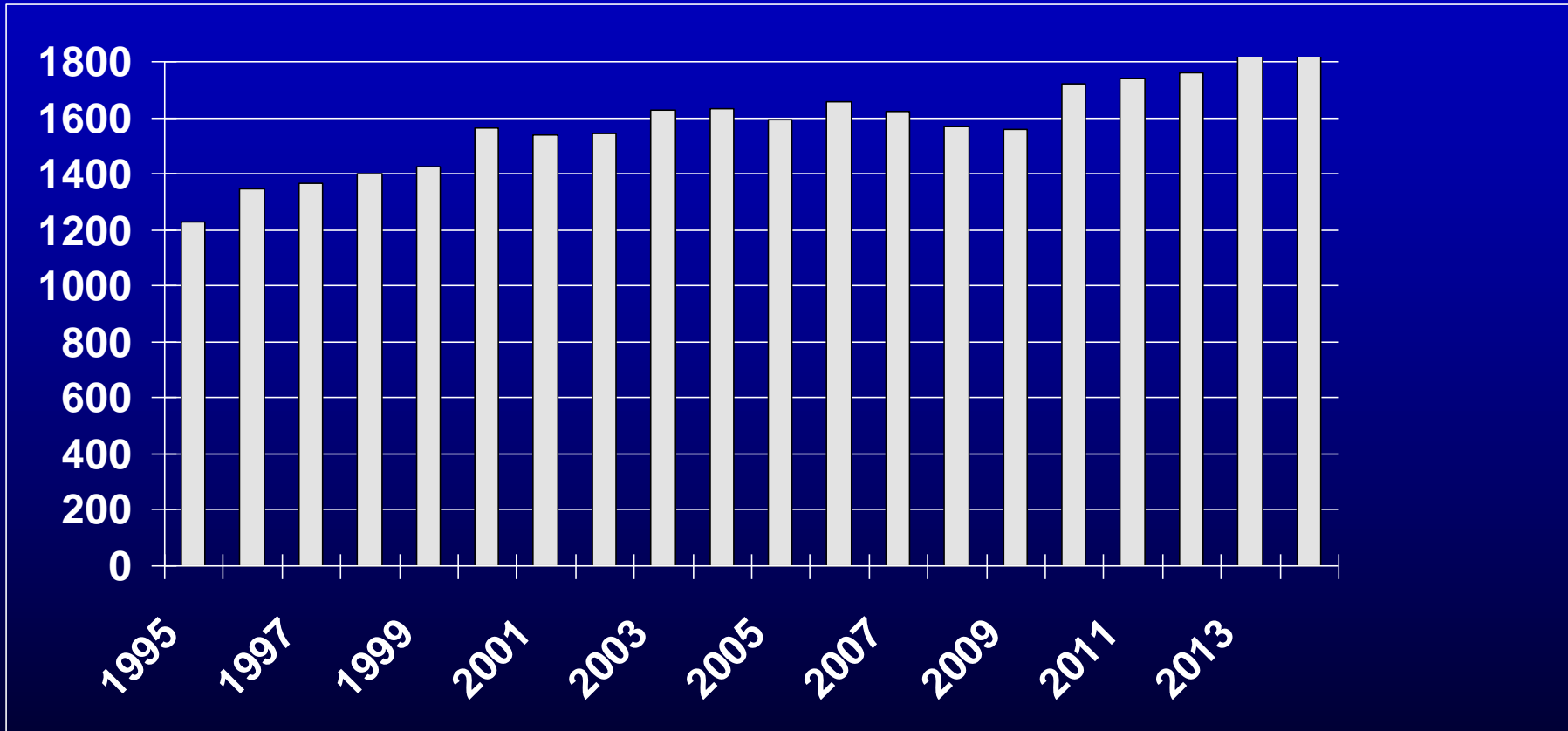
Kidney Transplantation 2014



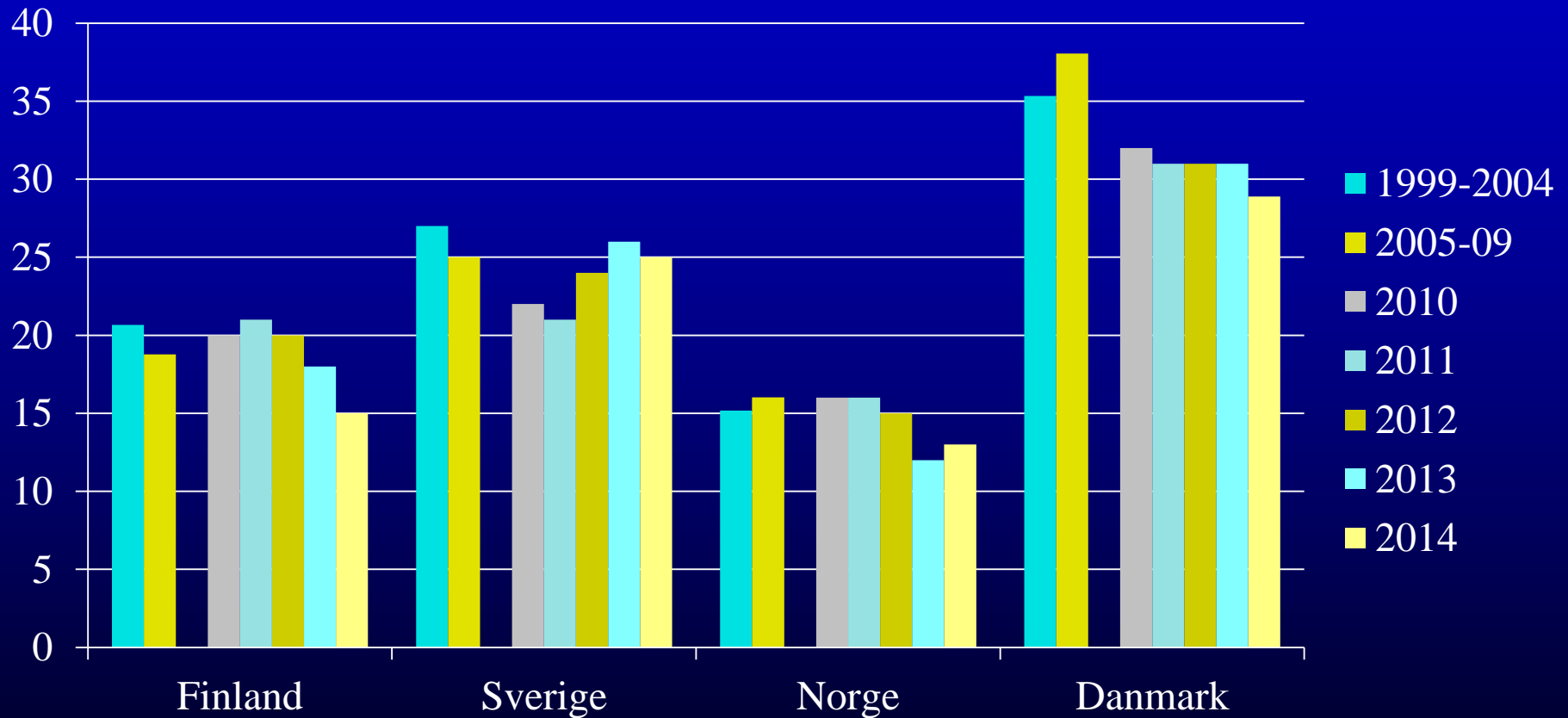
1379 new patients on kidney waiting list 2014



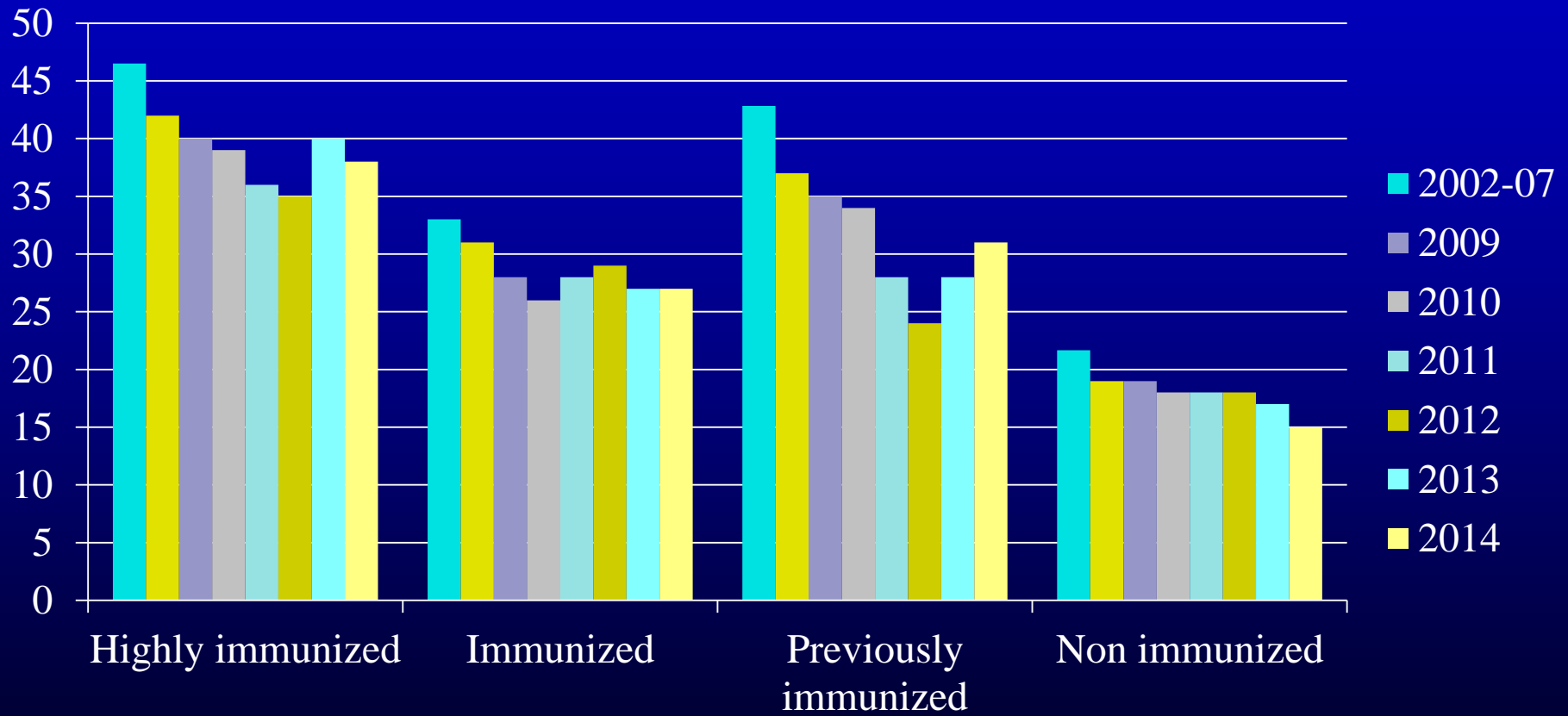
Kidney waiting list 1995 - 2014



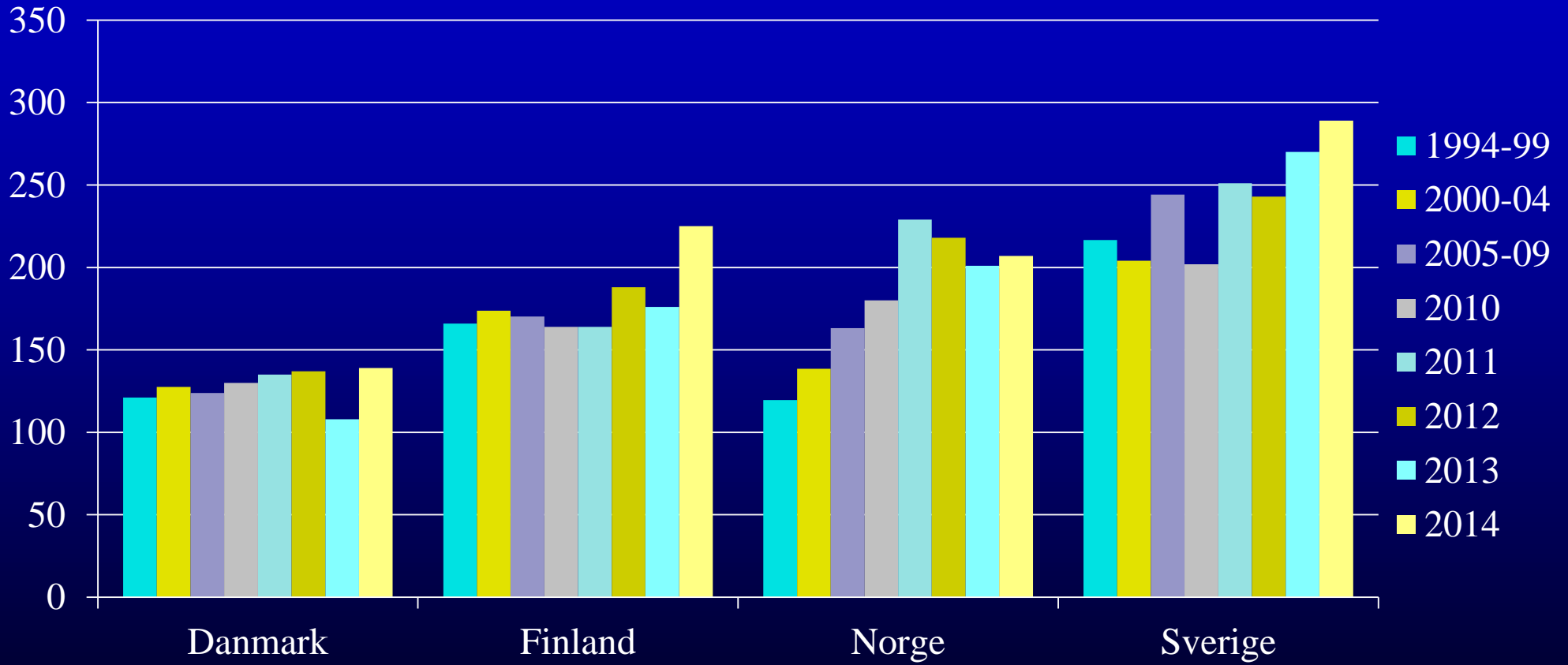
Average time on kidney waiting list at end of year



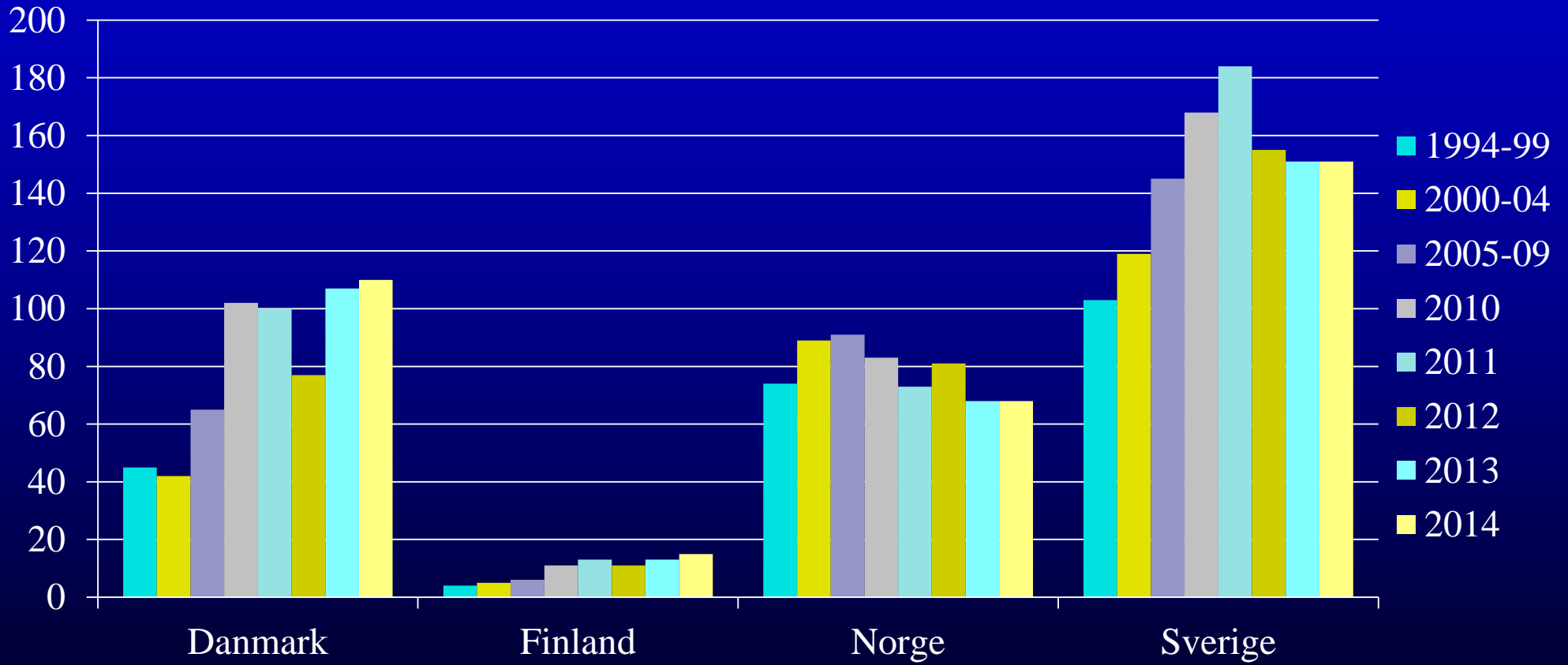
Average Months on Kidney Waiting List by Immunisation status at end year



Deceased donor kidney transplants 1994 - 2014



Deceased donor kidney transplants 1994 - 2014



EXCHANGE CRITERIA

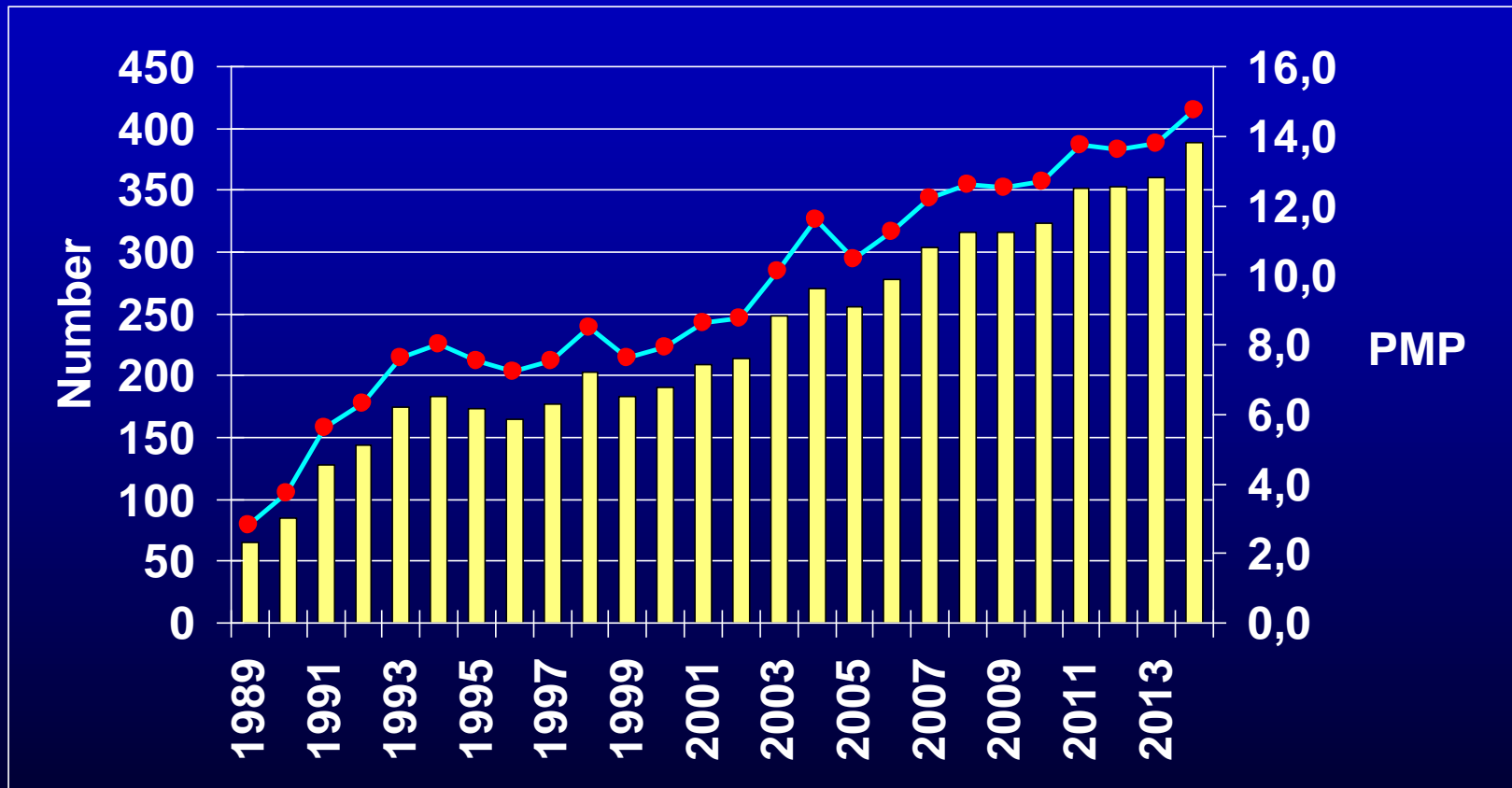
Kidney transplantation

- **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.

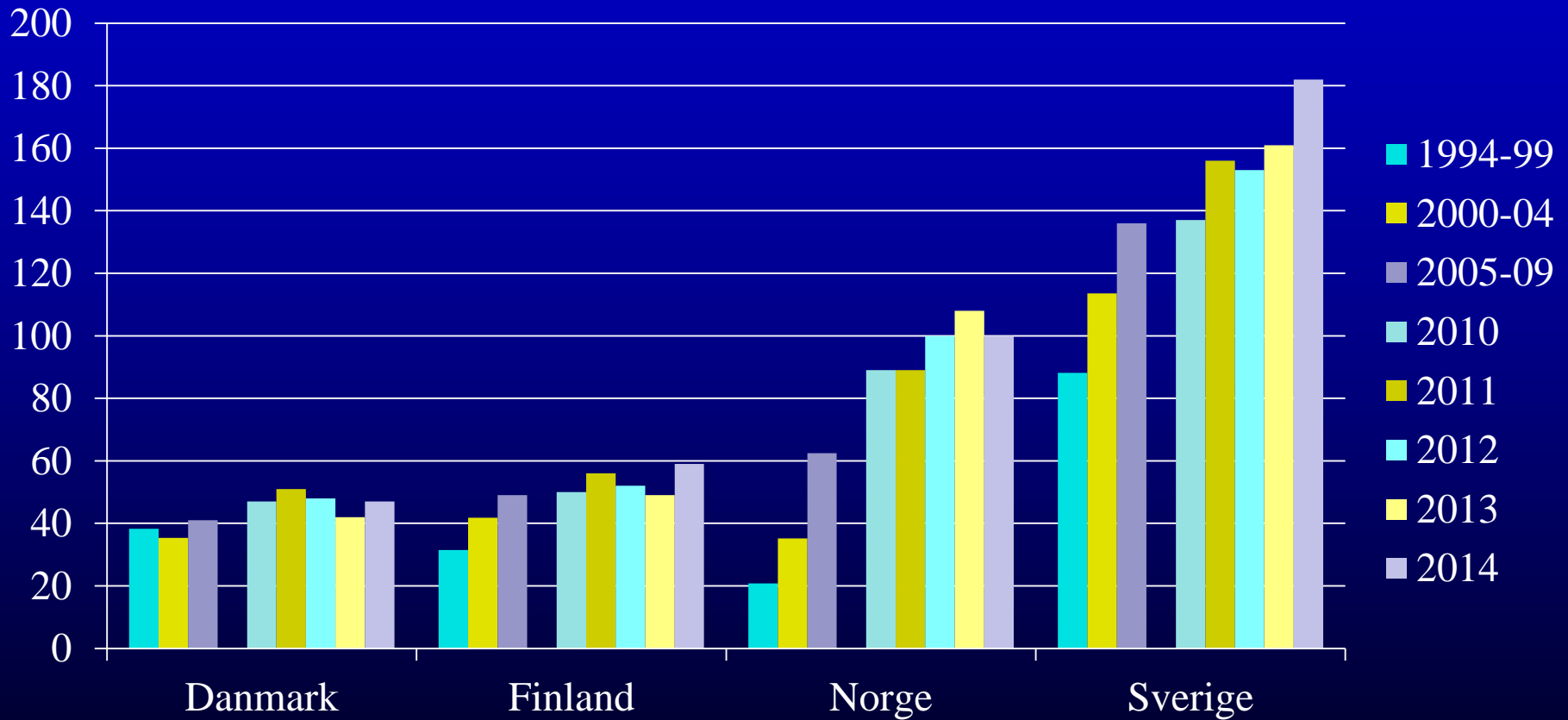


Liver Transplantation

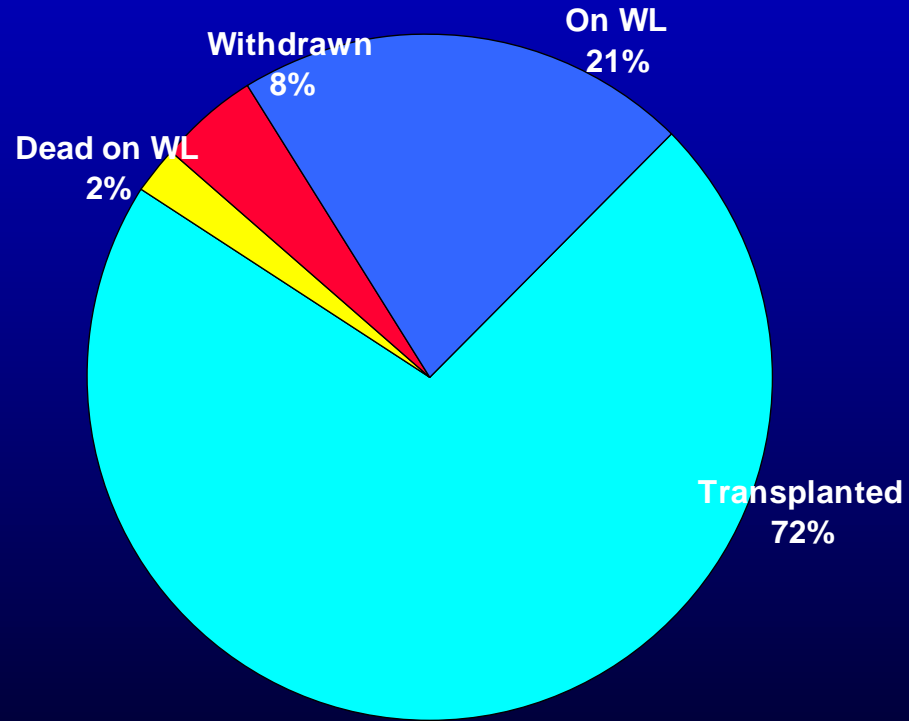
Liver Transplantation 1989 - 2014



Liver Transplants 1994-2014



459 new patients on liver waiting list 2014



EXCHANGE CRITERIA

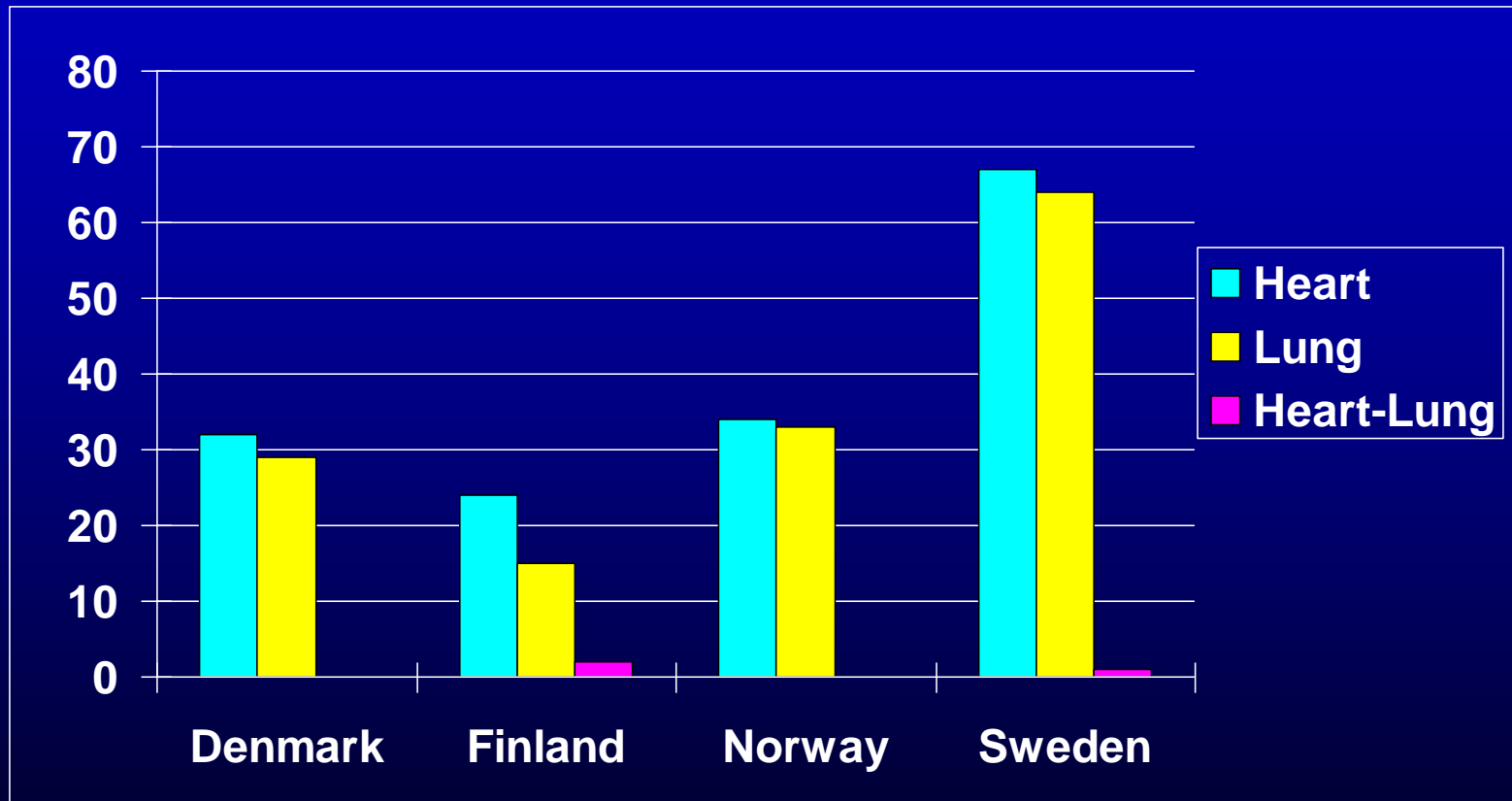
Liver transplantation

- **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**

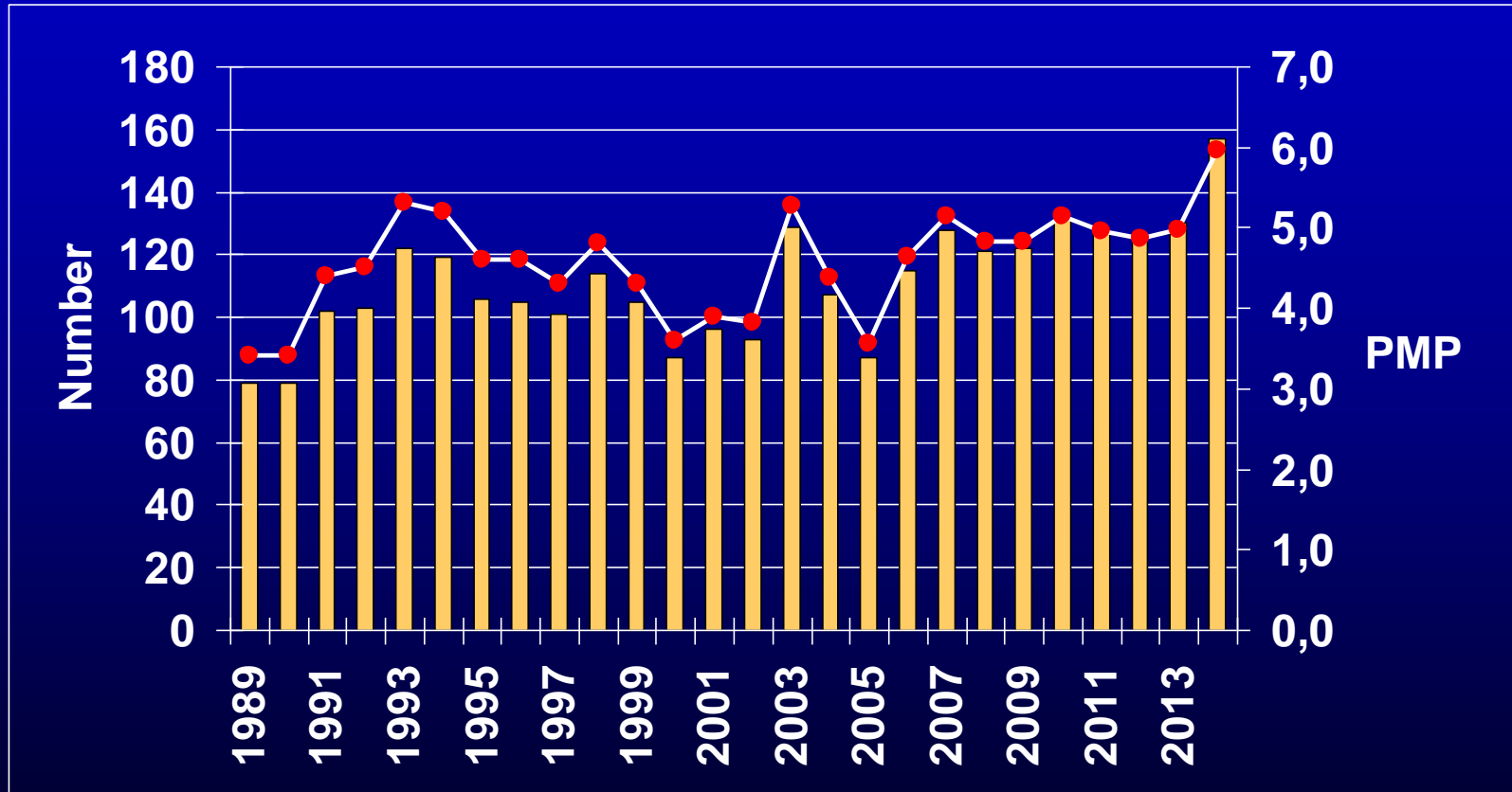


Thoracic Organ Transplantation

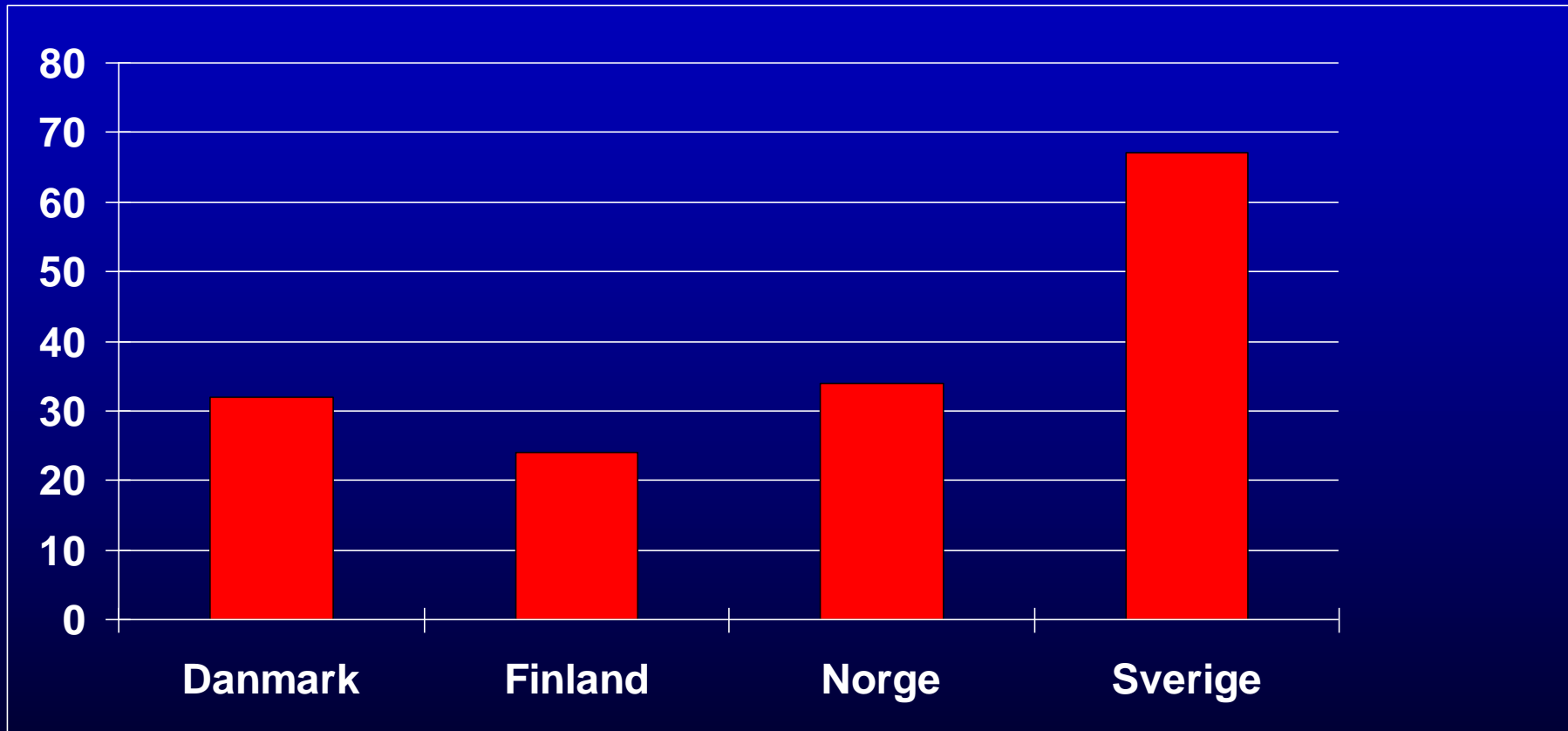
Thoracic organ transplants 2014



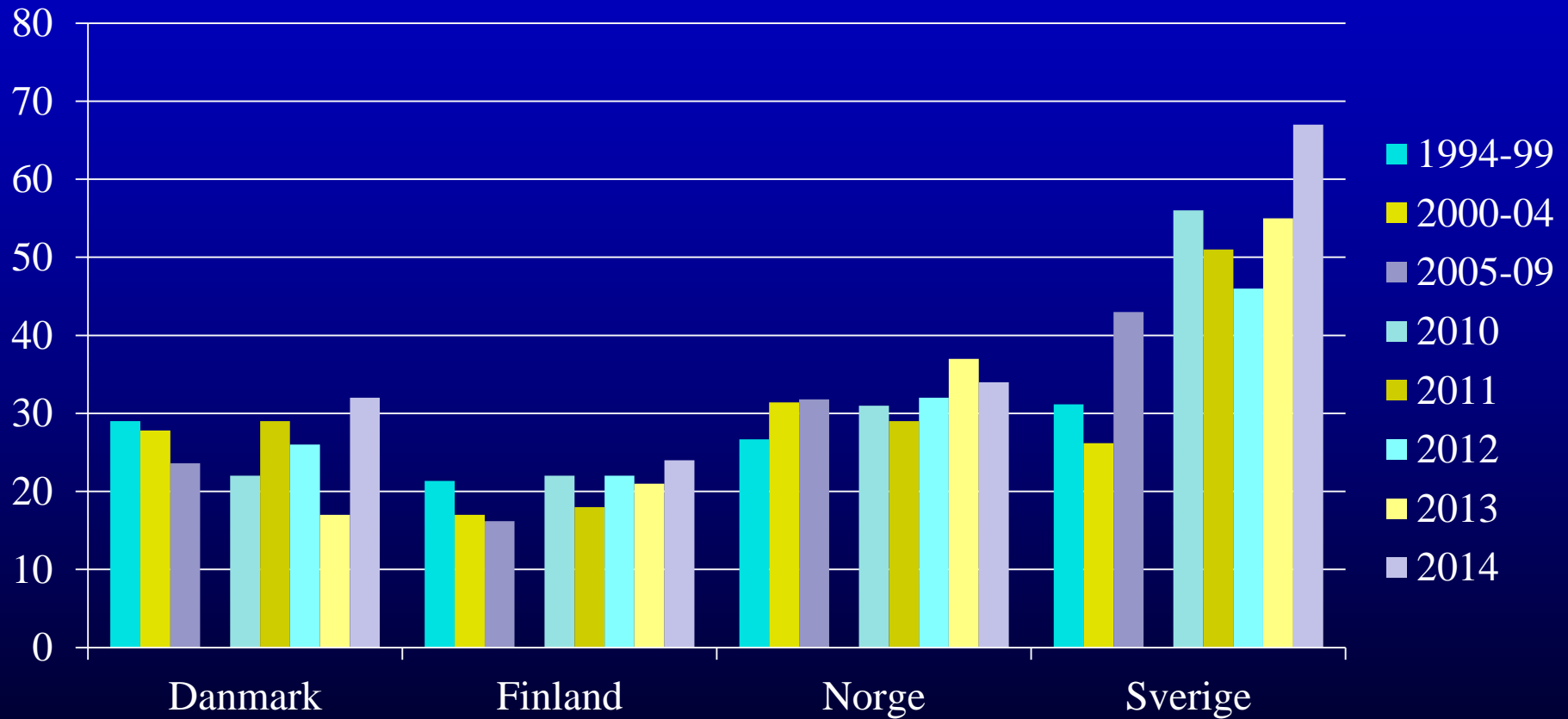
Heart Transplantation 1989 - 2014



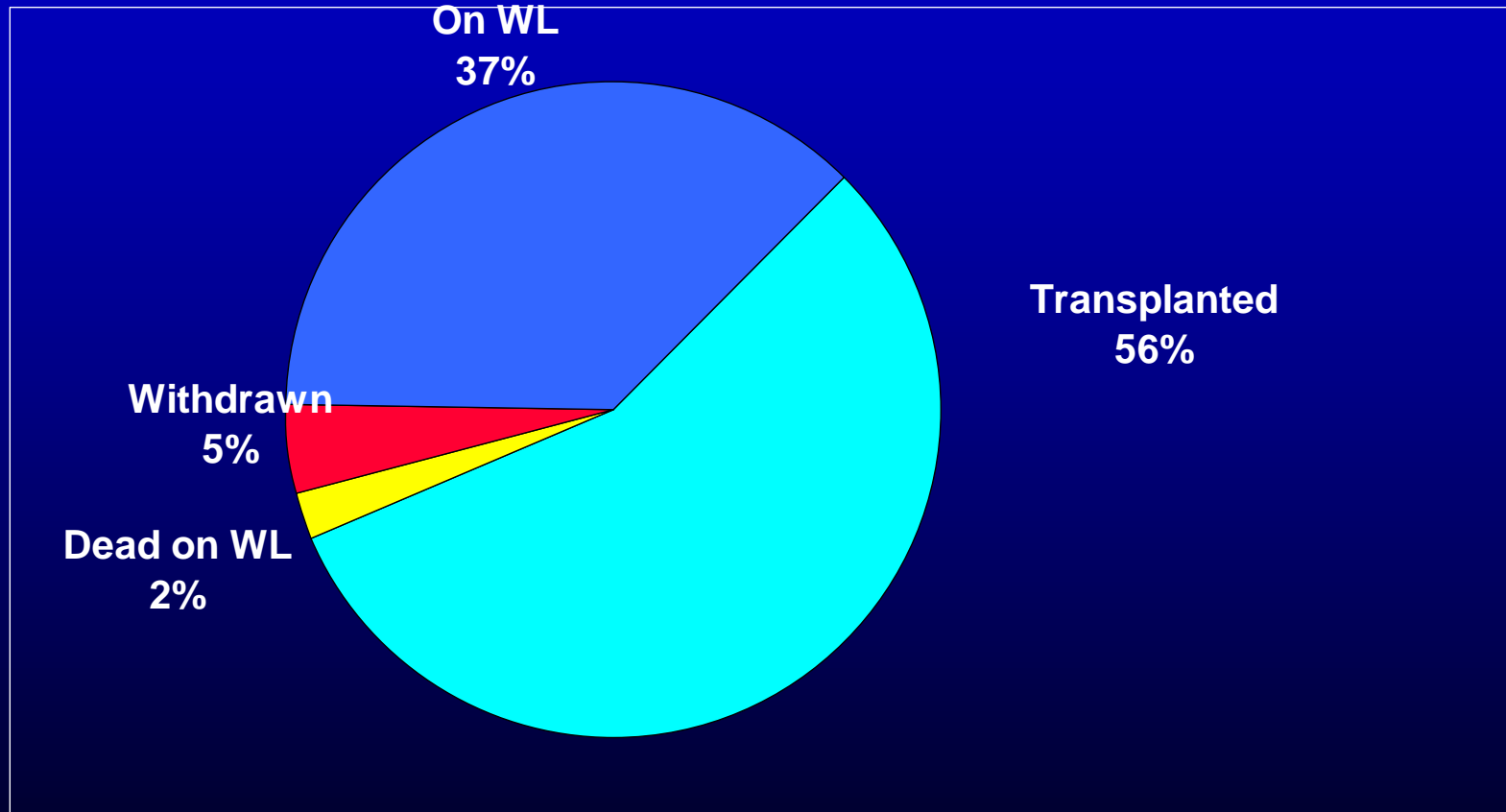
Heart transplantation 2014



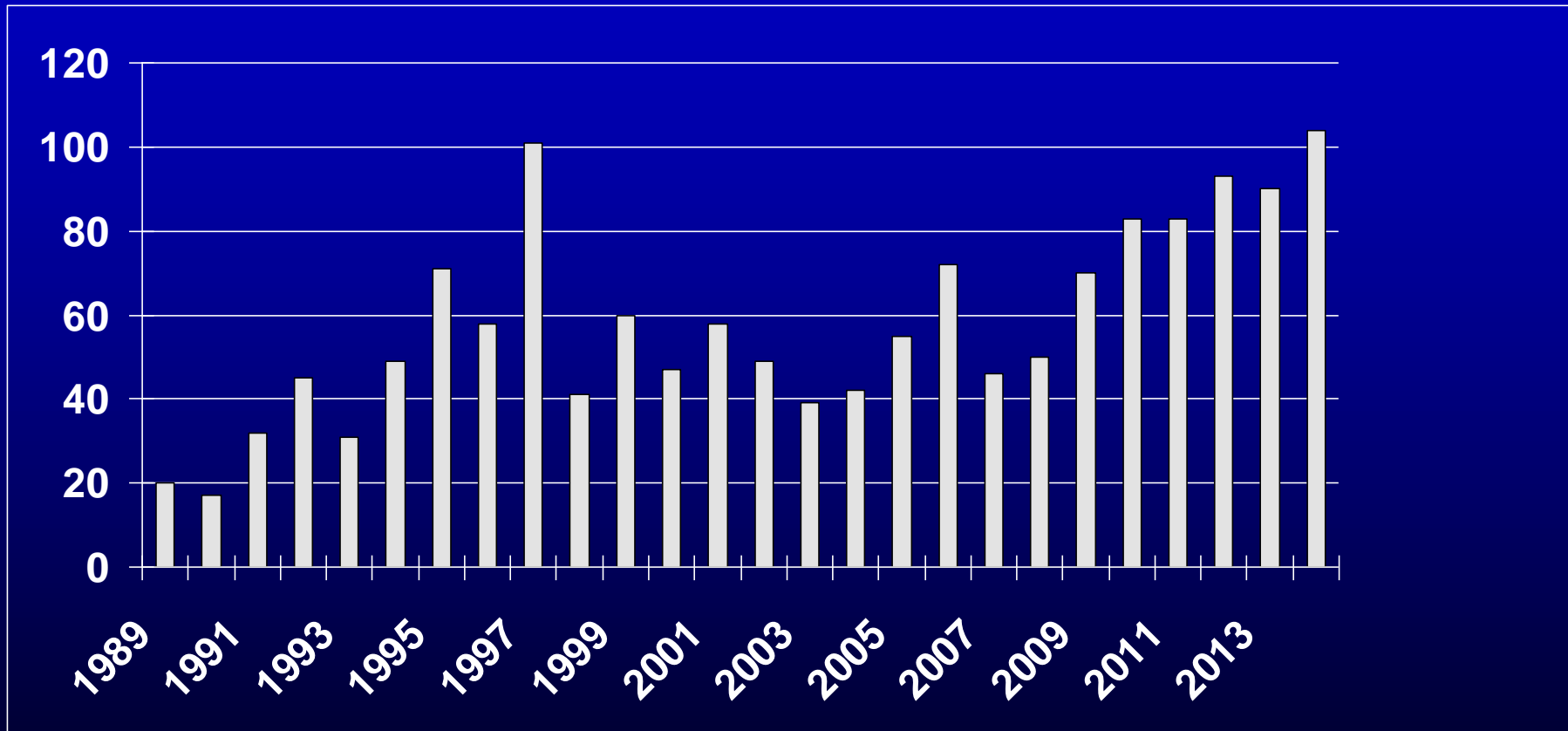
Heart Transplantation 1994 - 2013



191 new patients on heart waiting list 2014



Heart waiting list 1989 - 2014

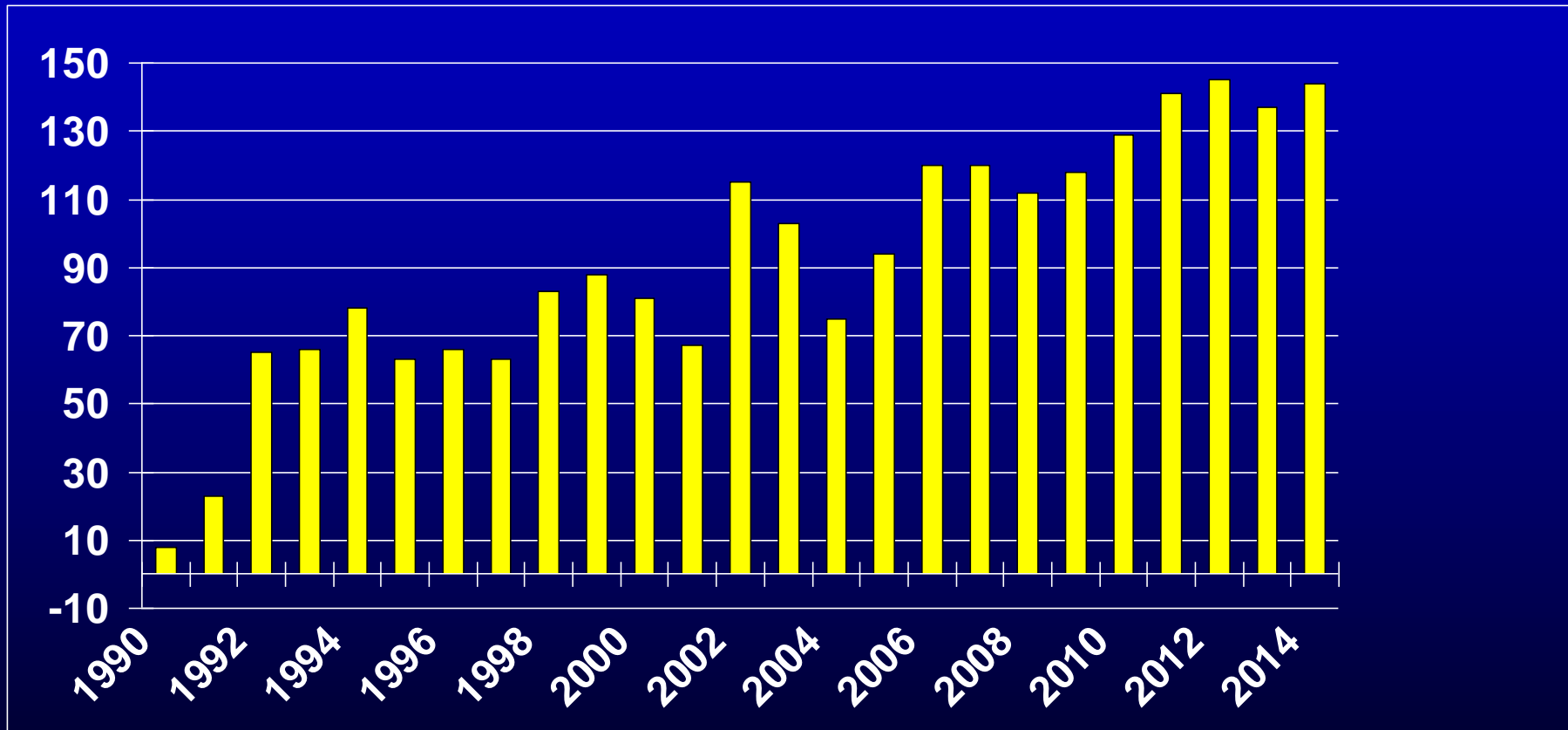


EXCHANGE CRITERIA

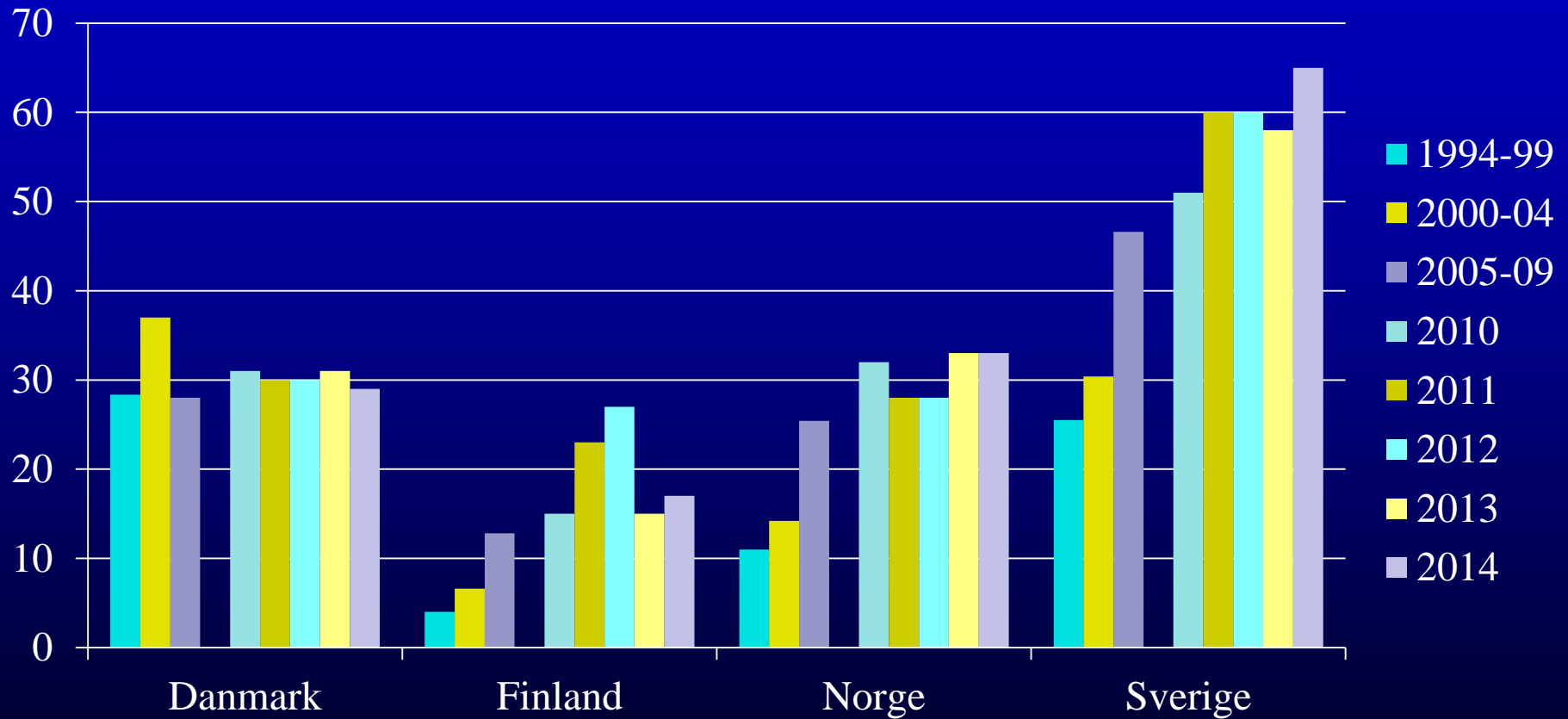
Heart transplantation

- **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

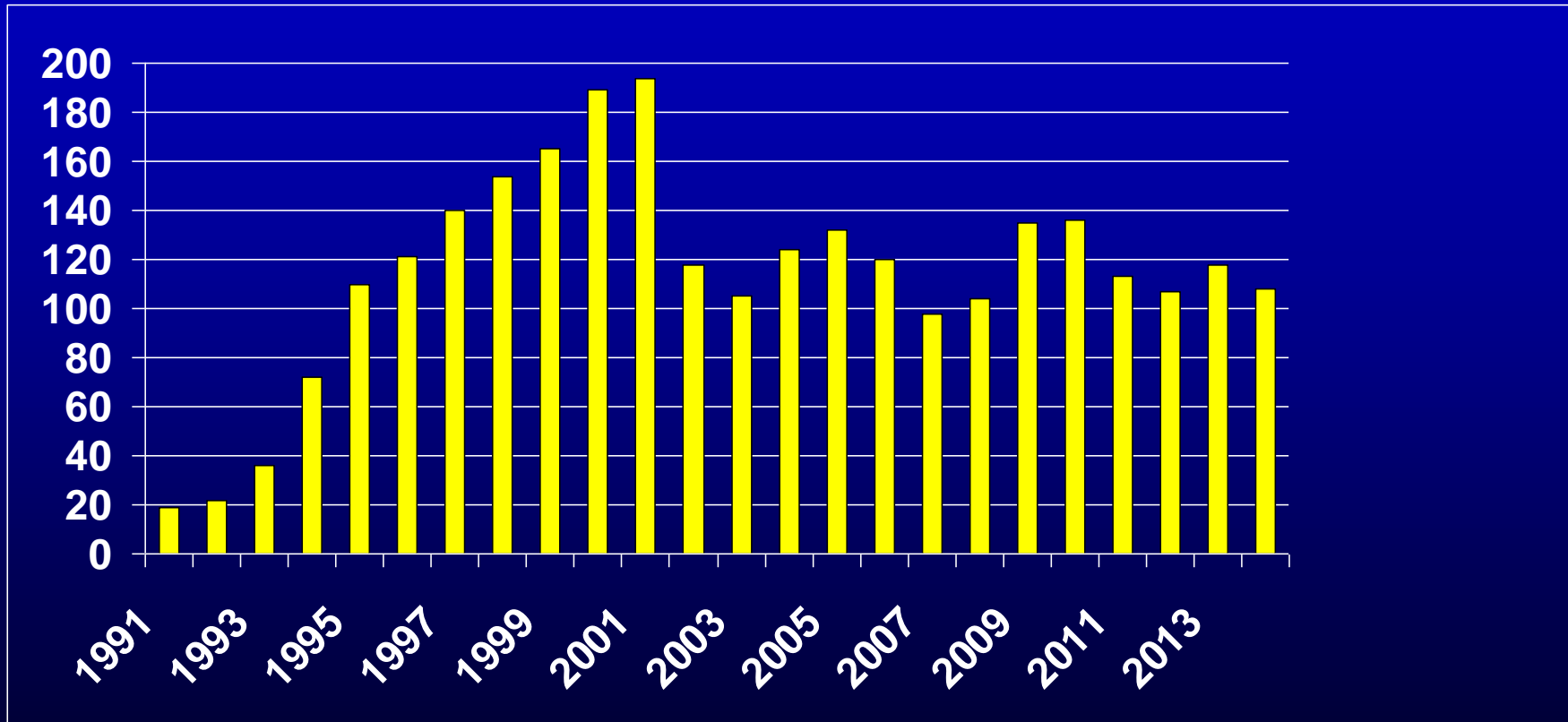
Lung transplantation including heart-lung



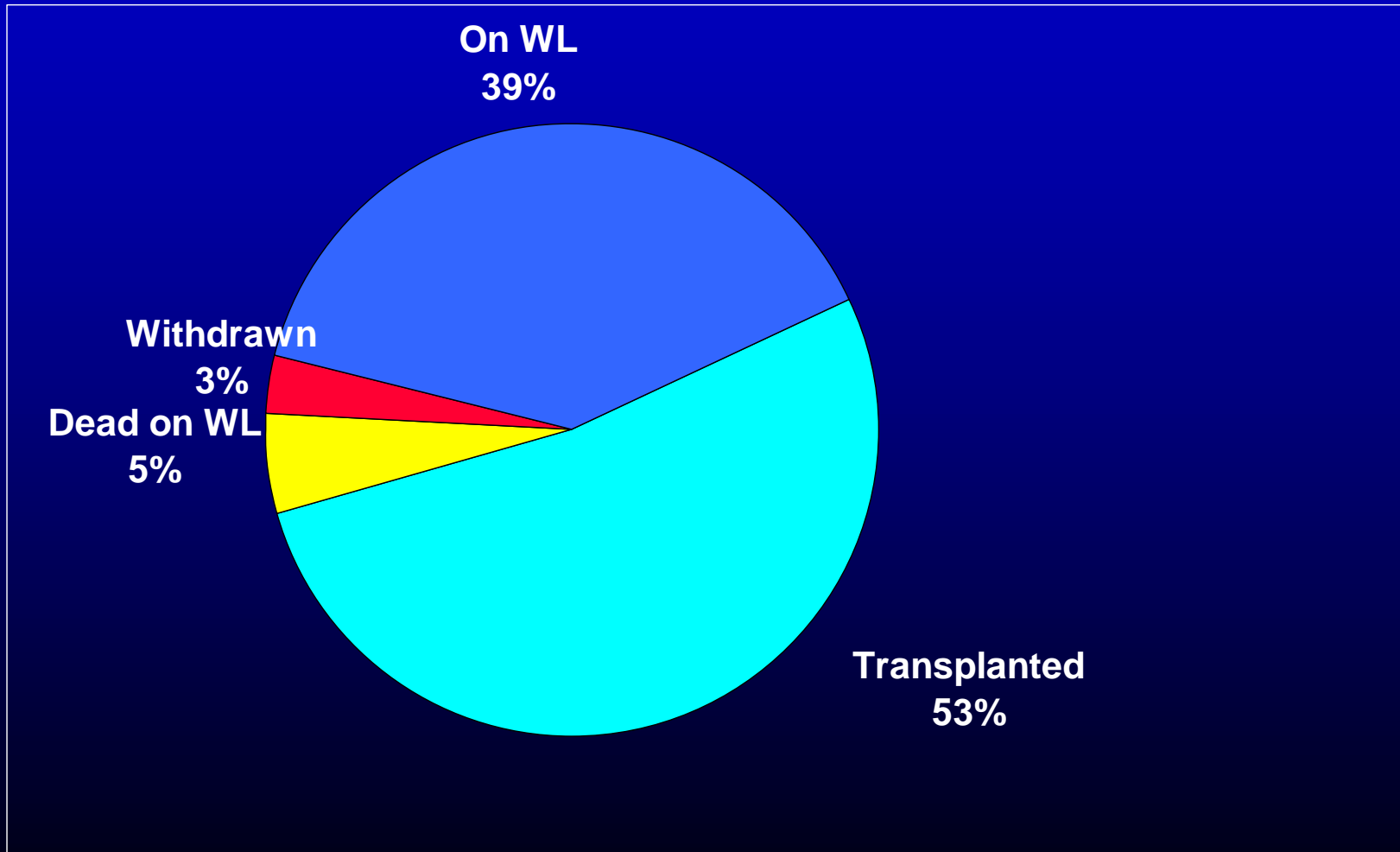
Lung Transplantation 1994 - 2013



Lung waiting list 1991 – 2014



157 new patients on lung waiting list 2014



EXCHANGE CRITERIA

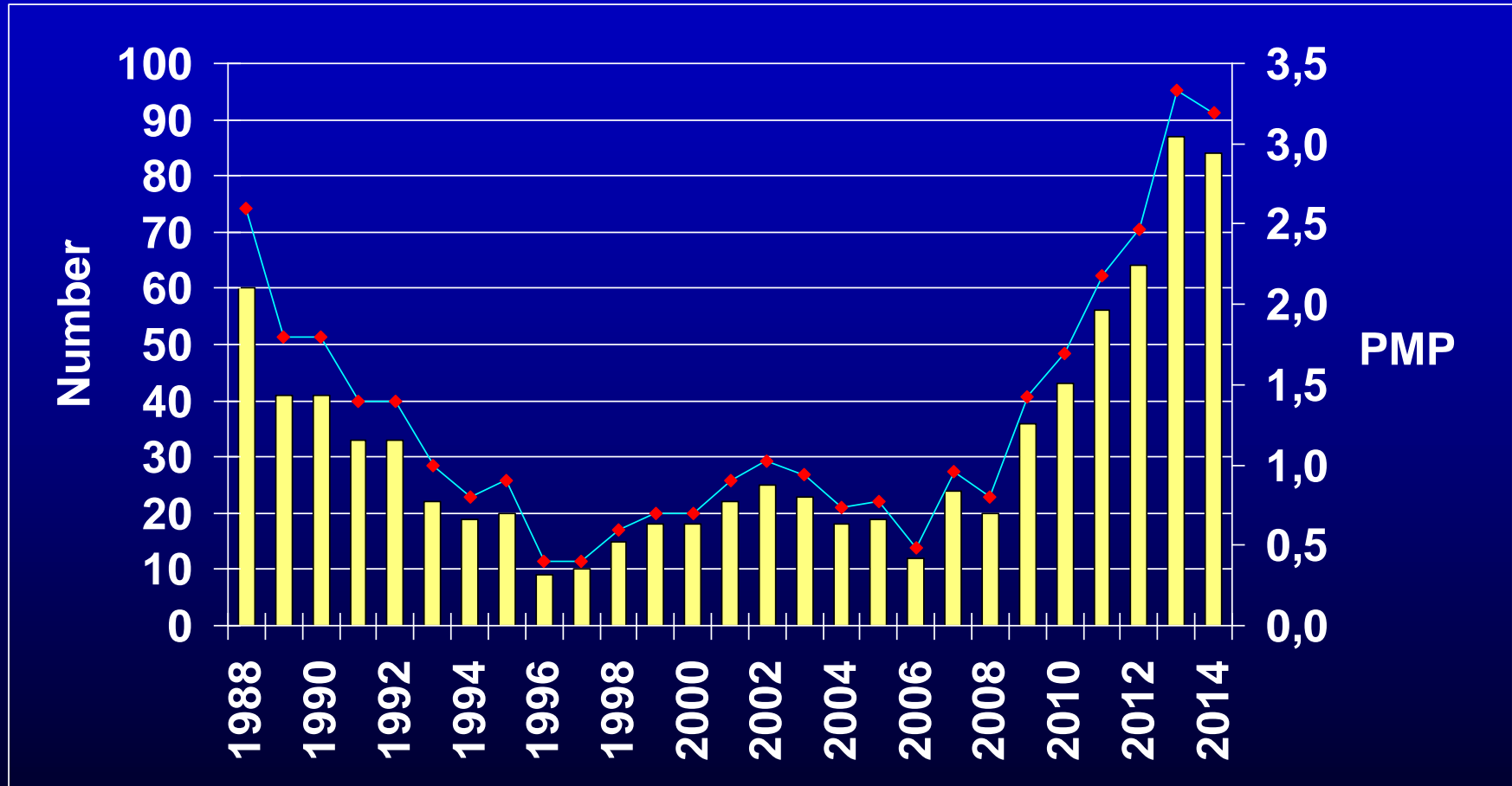
Lung transplantation

- **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 – 2014





Thank you