

Founded 1969 by the Nordic Council of Ministers

Slideshow 2018

Scandiatransplant activities

Slide presentation of Scandiatransplant activities 2018	
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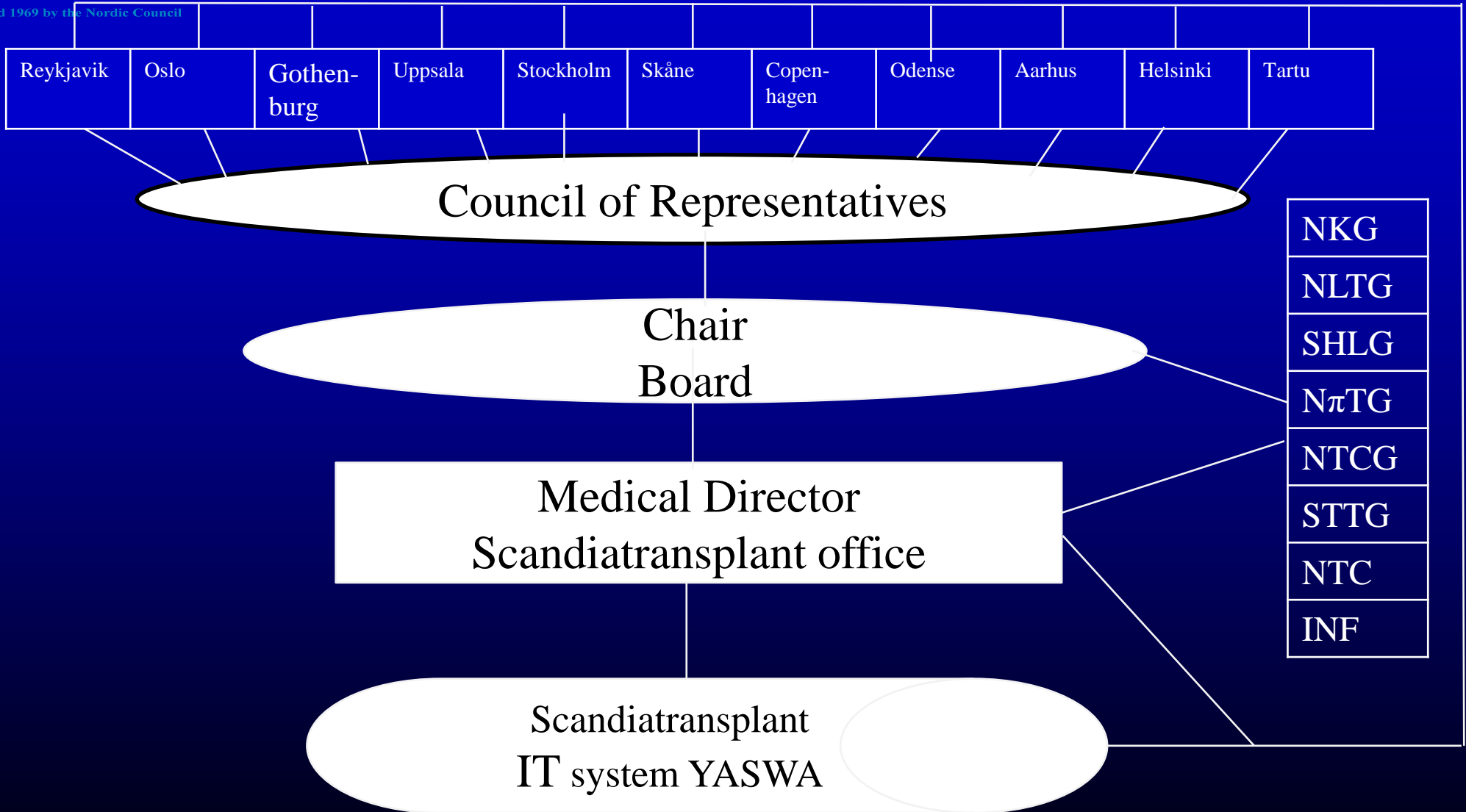


ScandiTransplant

ScandiTransplant is the organ exchange organization for the countries Denmark, Finland, Iceland, Norway, Sweden and Estonia. It covers a population of about 28,6 million inhabitants. It is owned by the eleven hospitals performing organ transplantation in these countries. The office is located at Aarhus University Hospital, Denmark.

Purpose of Scandiatransplant

- to serve as a common organ exchange organisation and allocation resource for its member hospitals including kidney, liver, heart, lung, pancreas, pancreatic islet, liver cells, composite graft, intestinal and multivisceral transplantation. This is done transparently, using ethical principles and in full compliance with the national legislation of the members' countries,
- to maintain and operate a common waiting list for transplantation,
- to ensure complete traceability from organ donors to patients,
- to maintain and operate follow-up registries of transplanted patients,
- to maintain and operate follow-up registries of living donors,
- to serve as a collaborative platform through specialized working groups and advisory groups in order to facilitate best practice recommendations and policies optimizing retrieval, allocation and transplantation of organs, and to form a collaborative network for the member hospitals to promote research and development related to organ donation, allocation and transplantation.



Awarded Grants in 2018

Research Grant

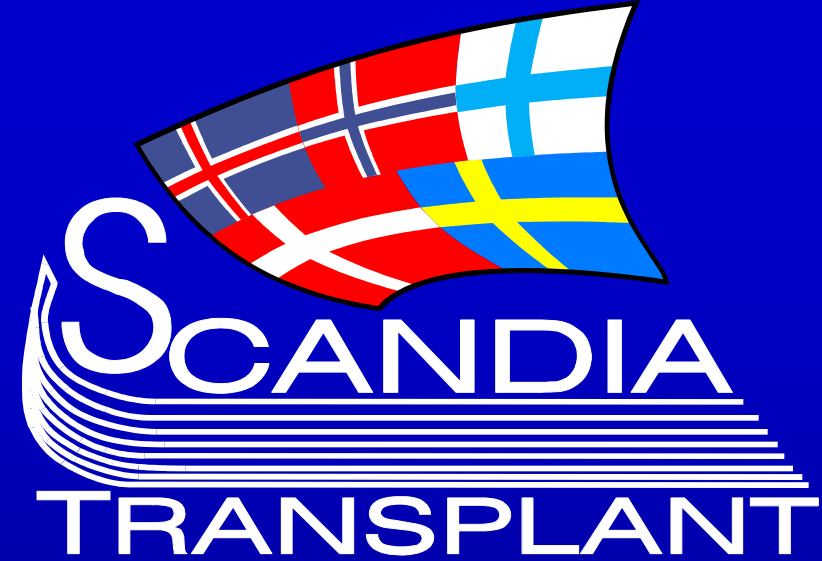
- Principal investigator: Göran Dellgren "Sub-study on donor specific antibodies in the ScanCLAD study". Supported with 370.000 DKK

Travel Grant

- Helsinki: Sini Puputti was granted 12500 DKK
- Oslo: Ingebjørg Kvangarsnes was granted 19500 DKK
- Copenhagen: Carina Lund Sørensen was granted 36000 DKK

Scandiatransplant Office Activities 2018

- Customize the IT-system to the user's wishes and optimizing security and functionality of the system. The system now contains a tool for reporting SAE/SAR according to the EU-directive.
- Educate users and comply with demands from users, owners, researchers and the public.
- Arrange and participate in meetings for groups, committees, board and council of representatives.
- Lead the work in achieving data processor agreements with all member hospitals
- Participate in meetings with Nordic competent authorities and EU-commission.
- Take care of finance and personnel.



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2018

**Organ procurement and
transplantation activities in
Scandiatransplant**

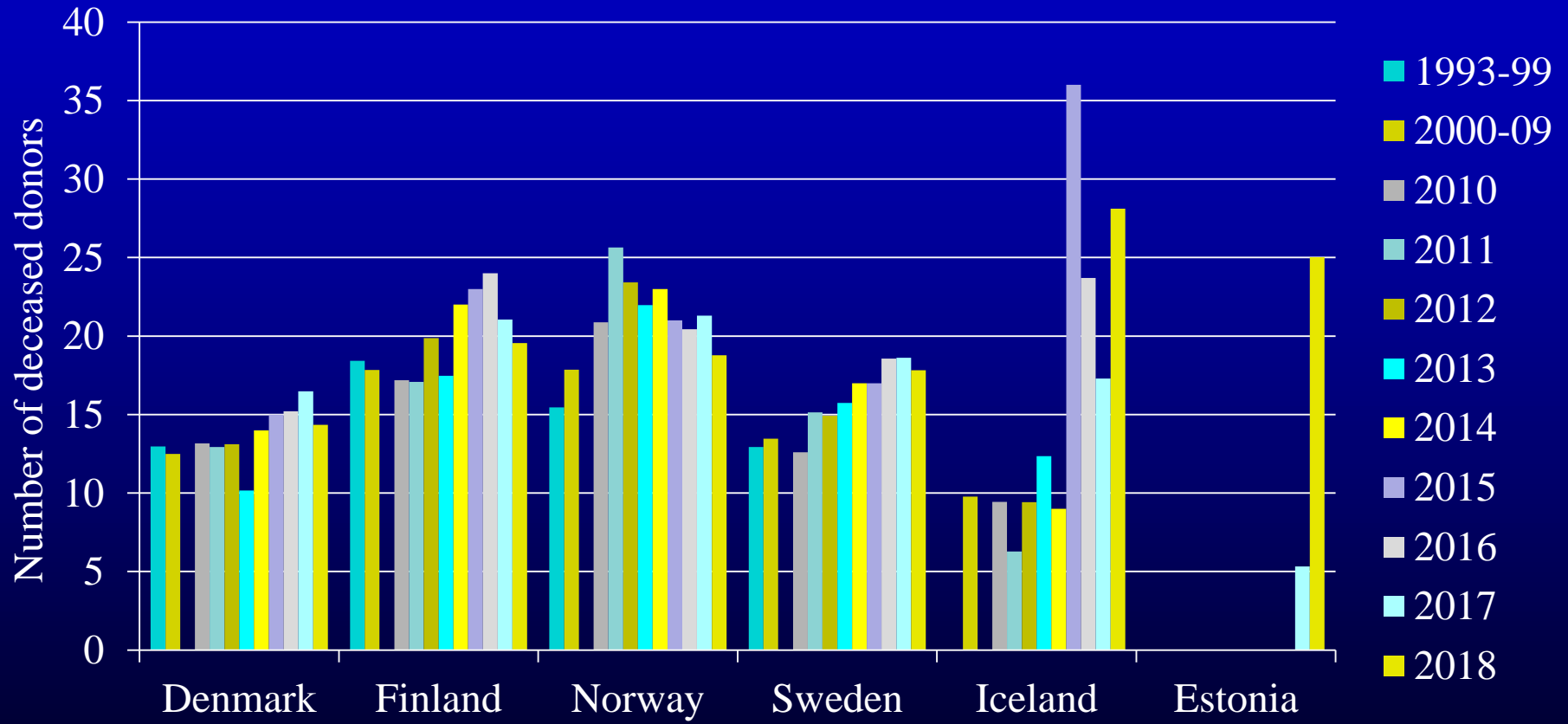
Scandiatransplant 2018

- 518 Utilized deceased donors (18.08 PMP)
- Organ transplants performed
 - *1229 kidneys (338 were kidneys from living donors)*
 - *377 livers (2 were livers from living donors – none were domino)*
 - *168 hearts (none were domino)*
 - *151 lungs*
 - *63 pancreas (48 as combined kidney-pancreas)*
- 2660 patients on waiting list at end 2018

Patients entered on waiting list during 2018 (2017 figures)

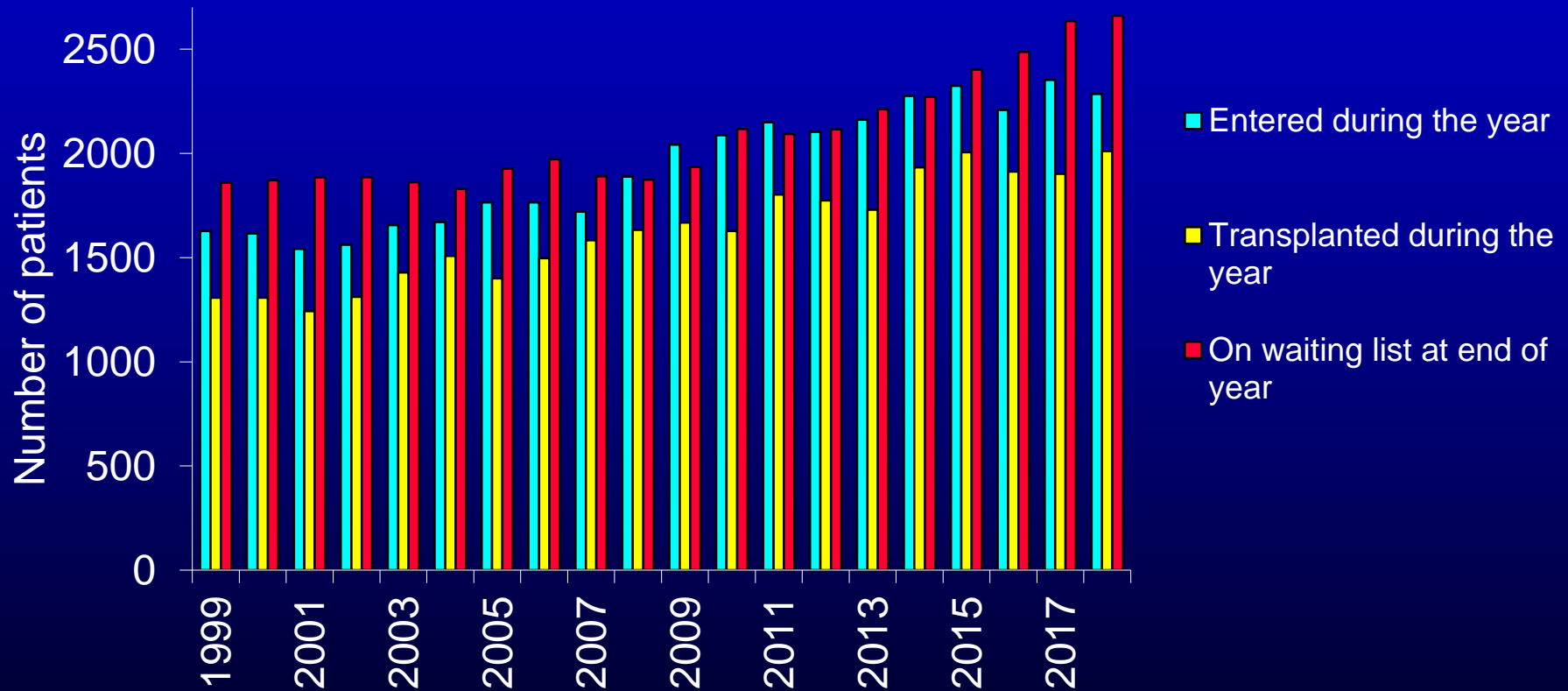
• Kidney	1398 (1487)
• Liver	418 (459)
• Heart	188 (177)
• Lung	170 (168)
• Pancreas	18 (17)
• Kidney+Pancreas	62 (60)
• Liver+kidney	11 (12)
• TOTAL	2265 (2380)

Utilized deceased donors PMP

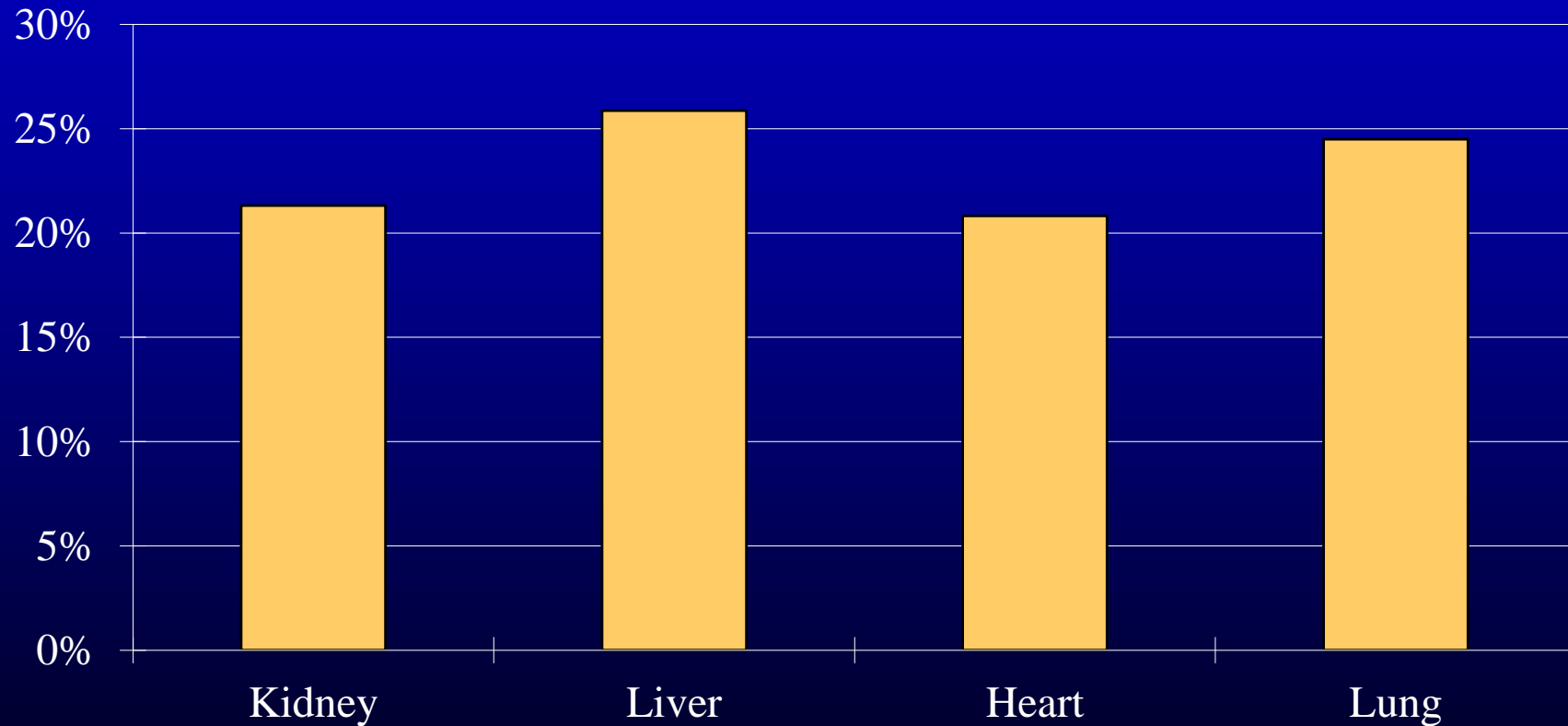


Figures included from Estonia year 2017 starts from October 1st 2017

Yearly flow on the waiting list



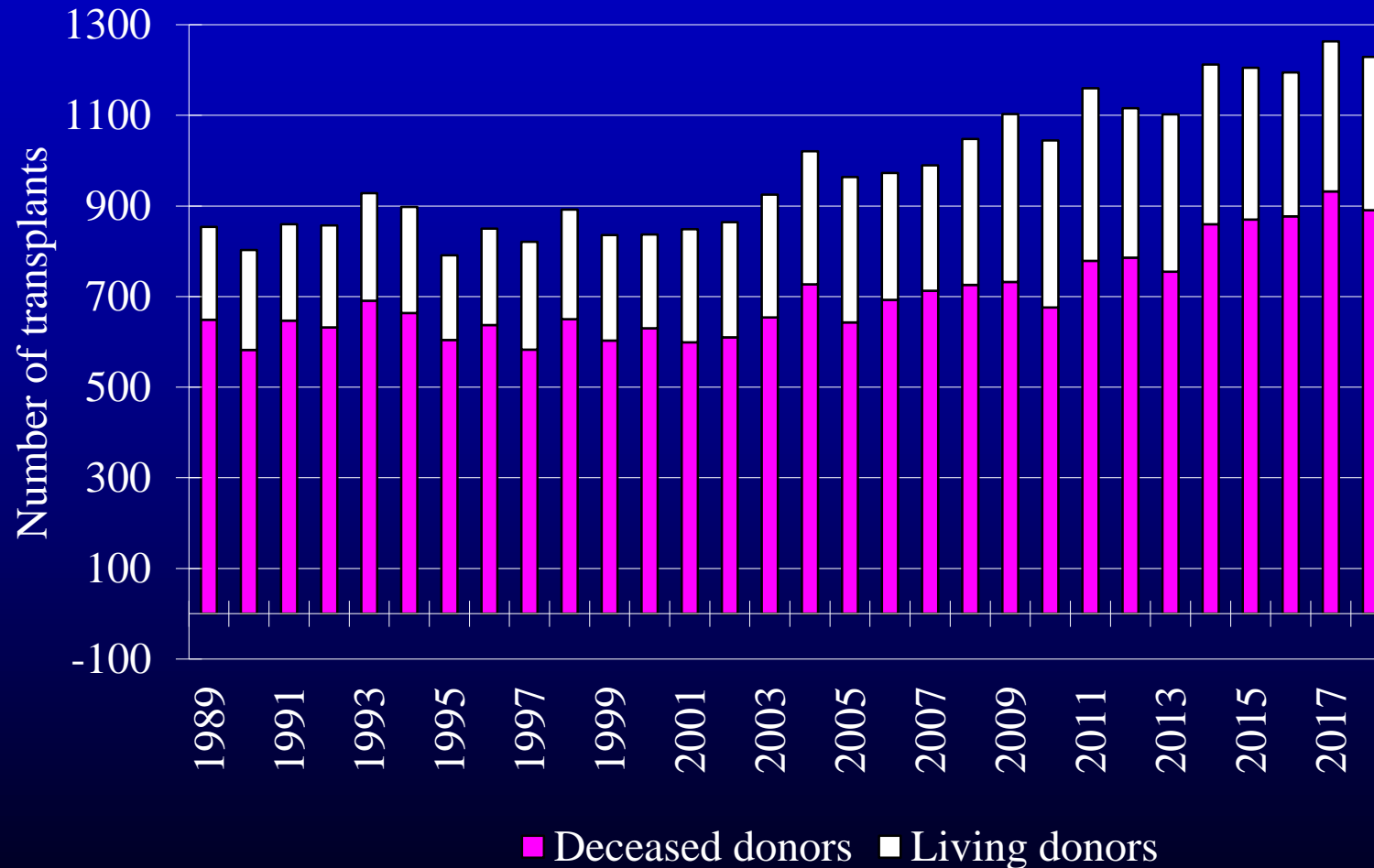
Organ exchange between centers in 2018



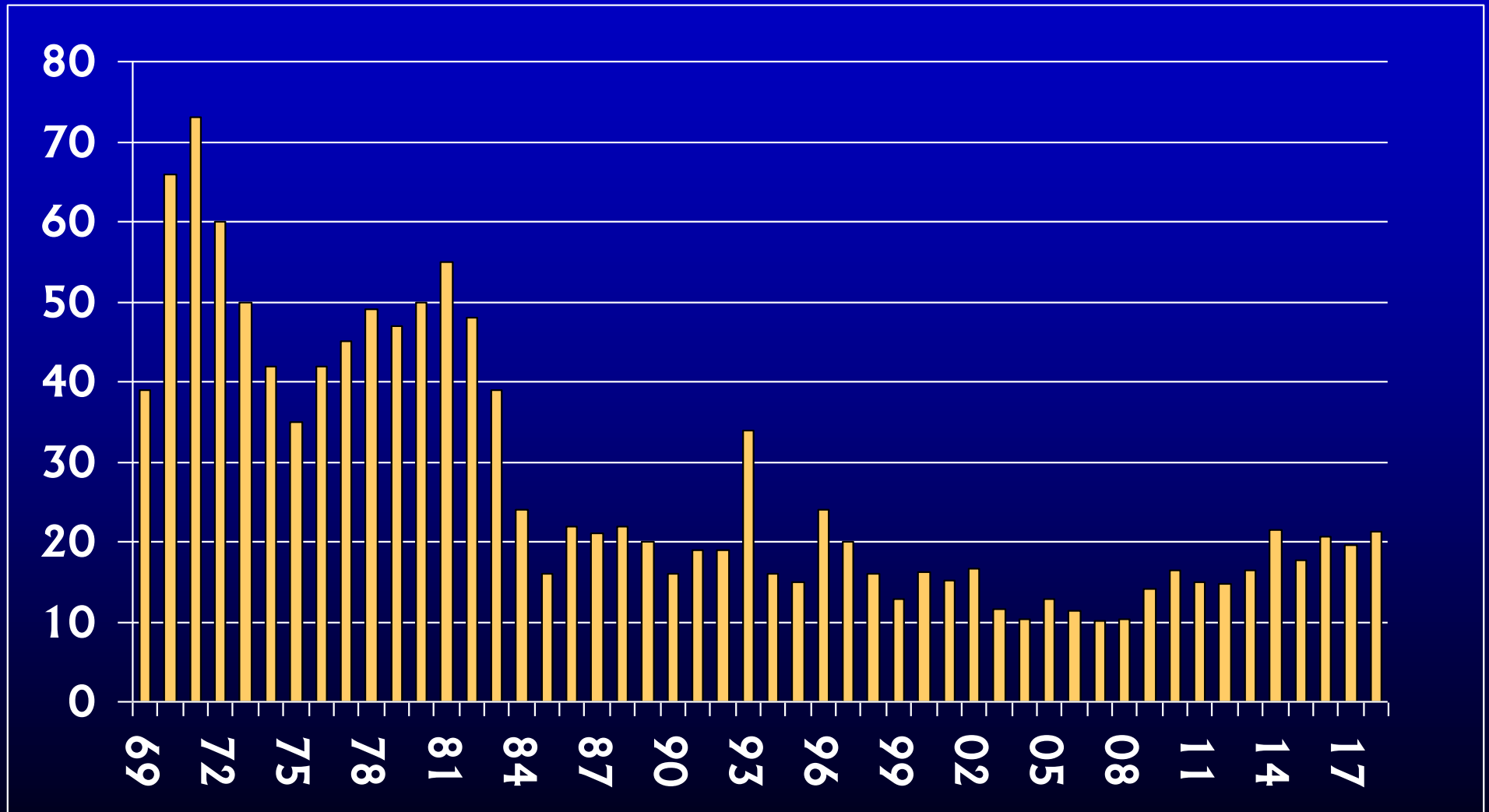
Kidney Transplantation

Kidney Transplantation

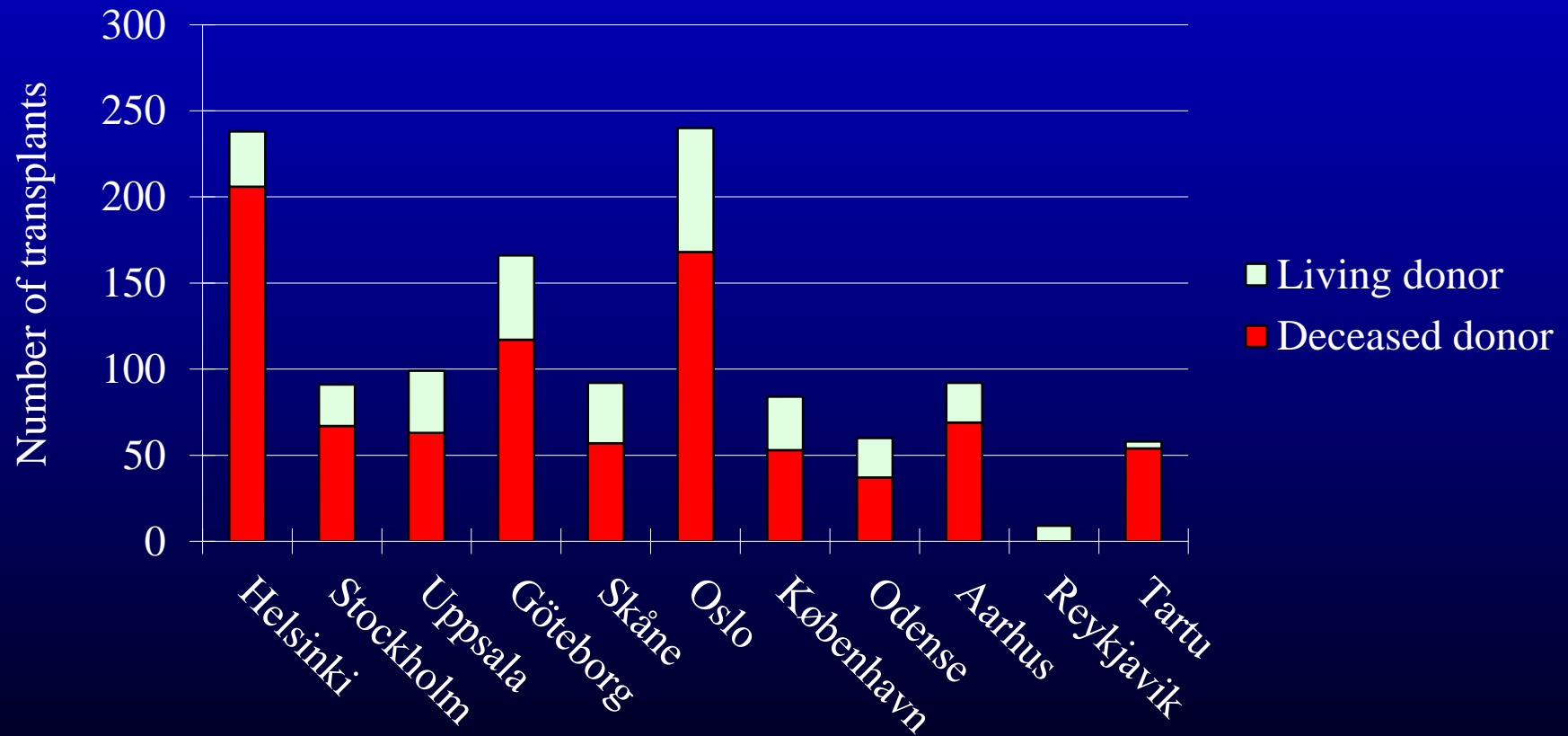
1989 – 2018



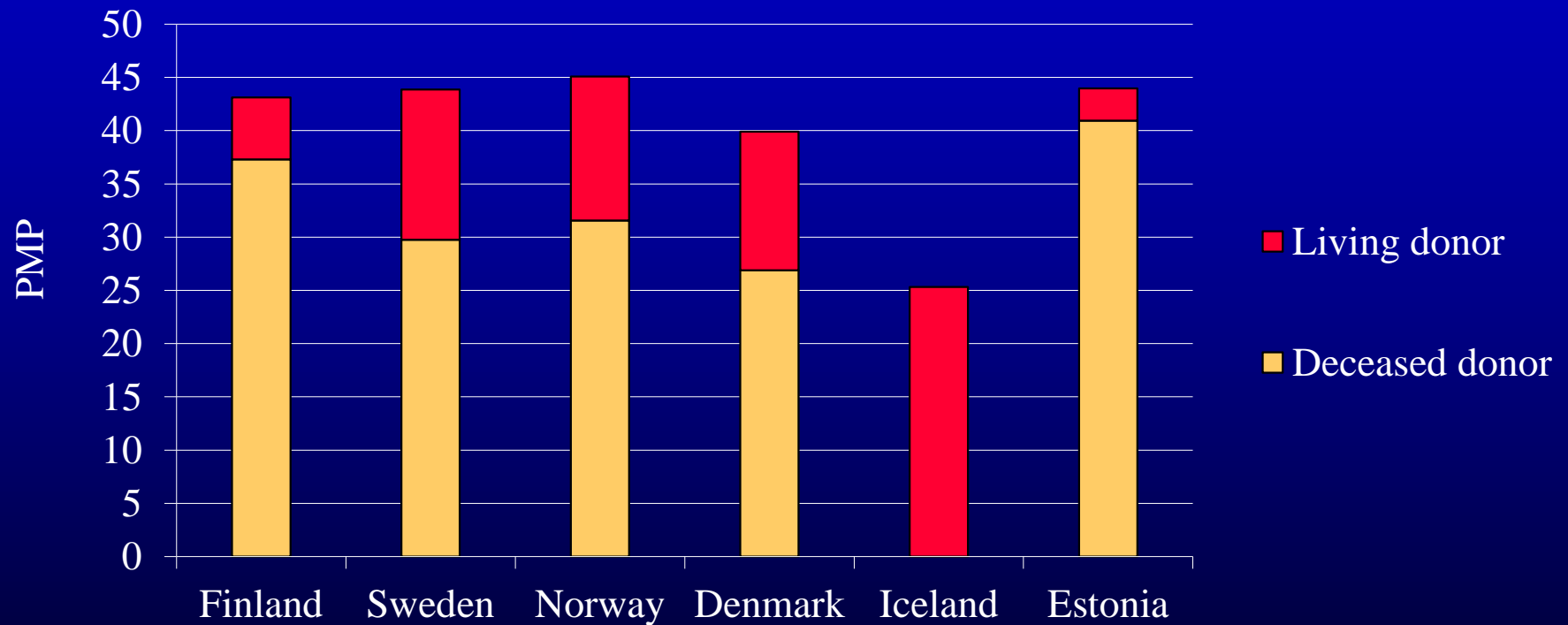
Kidney exchange rate 1969 - 2018



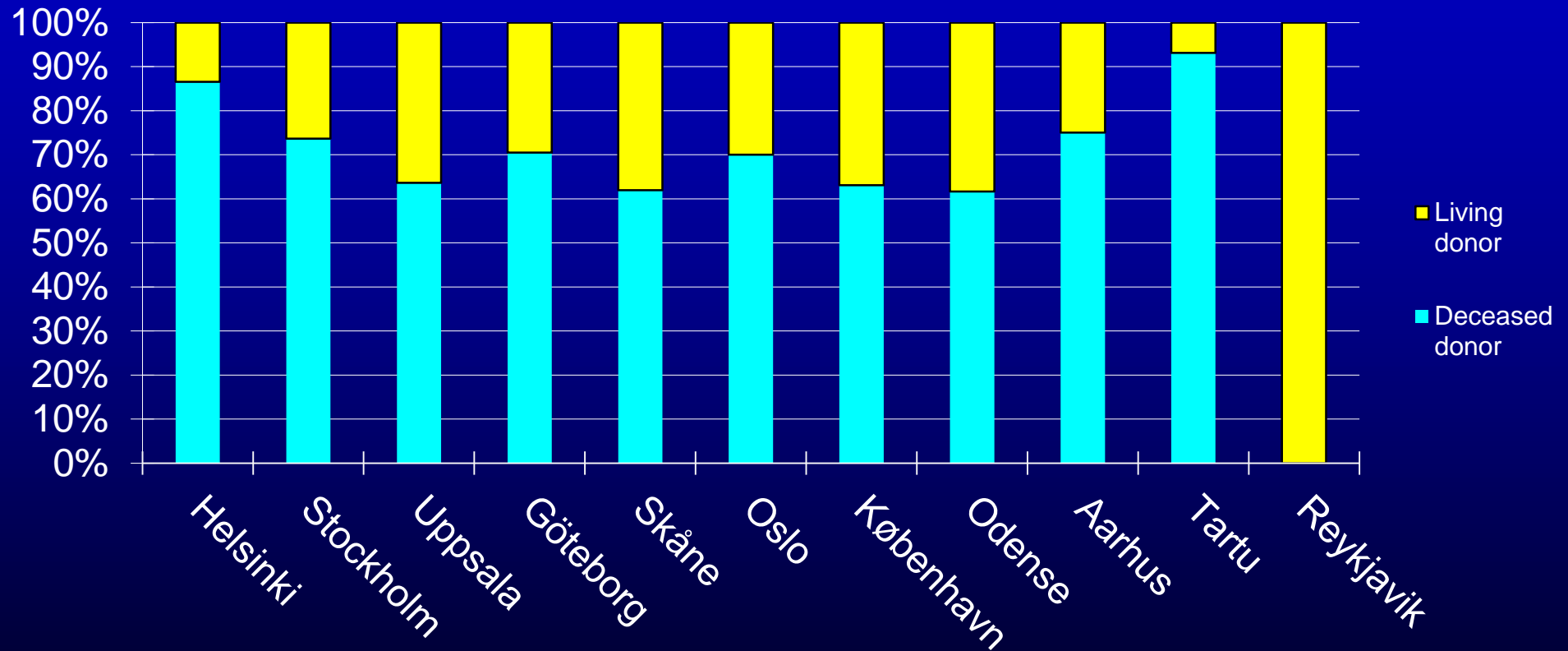
Kidney Transplantation activity 2018 by centre



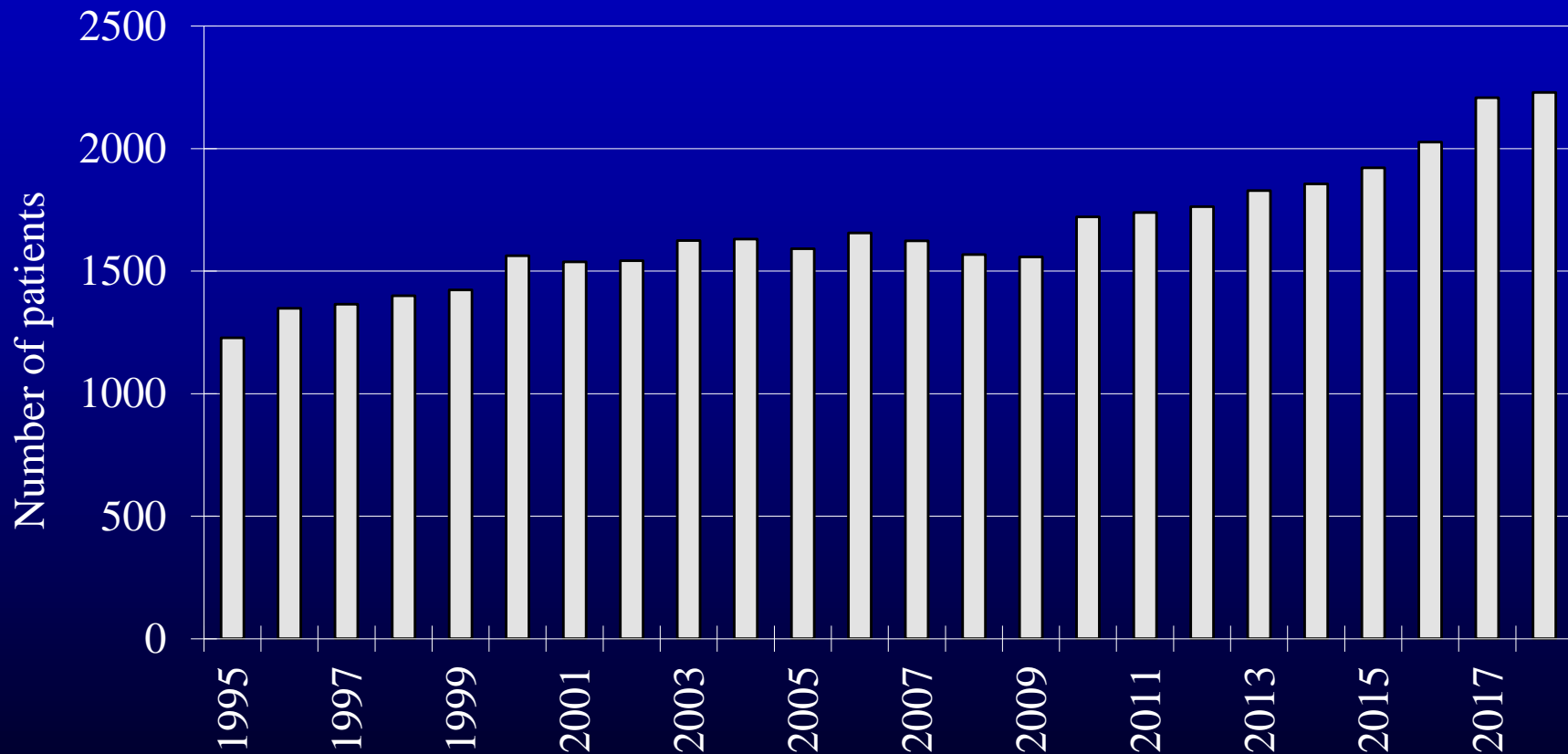
Kidney Transplantation PMP 2018



Kidney Transplantation 2018

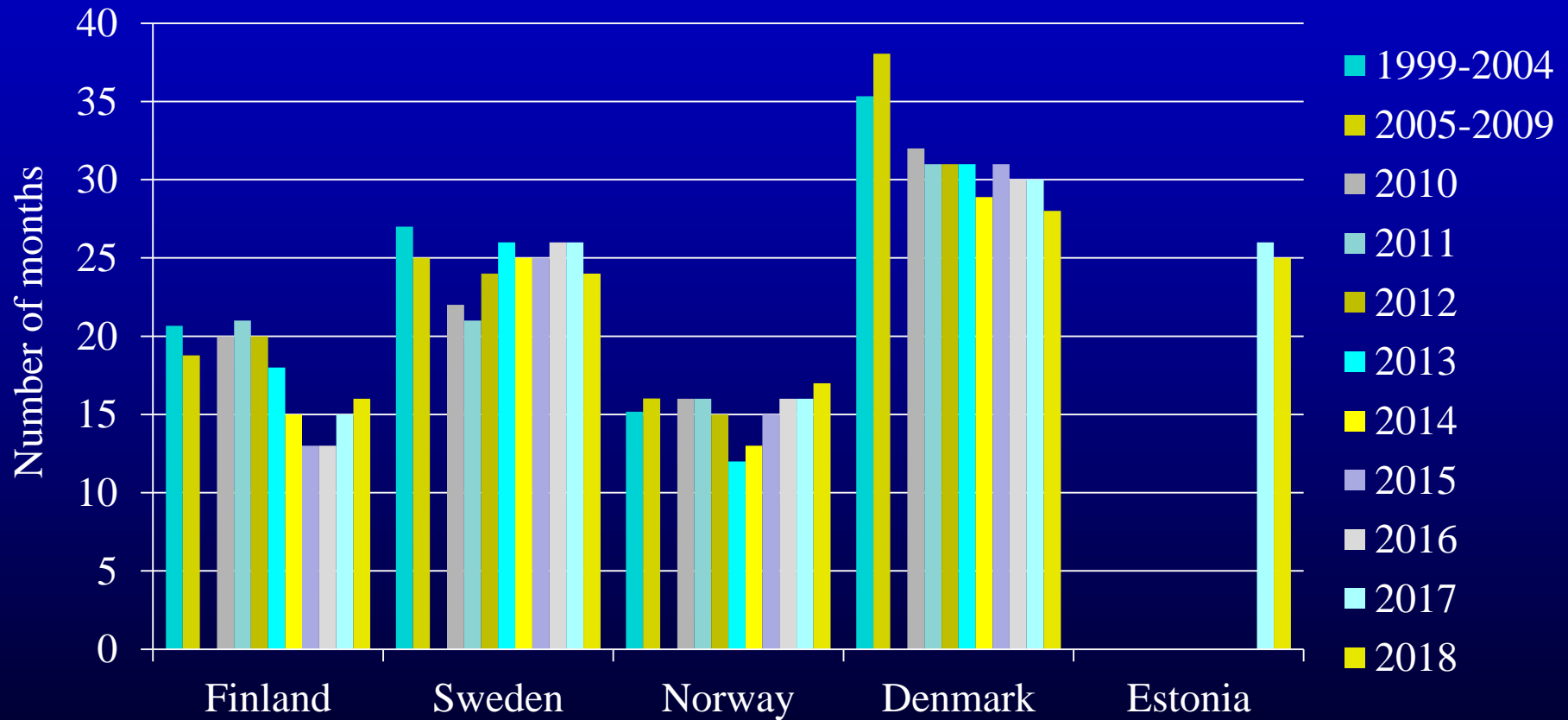


Number of patients on the kidney waiting list at the end of the year 1995 - 2018

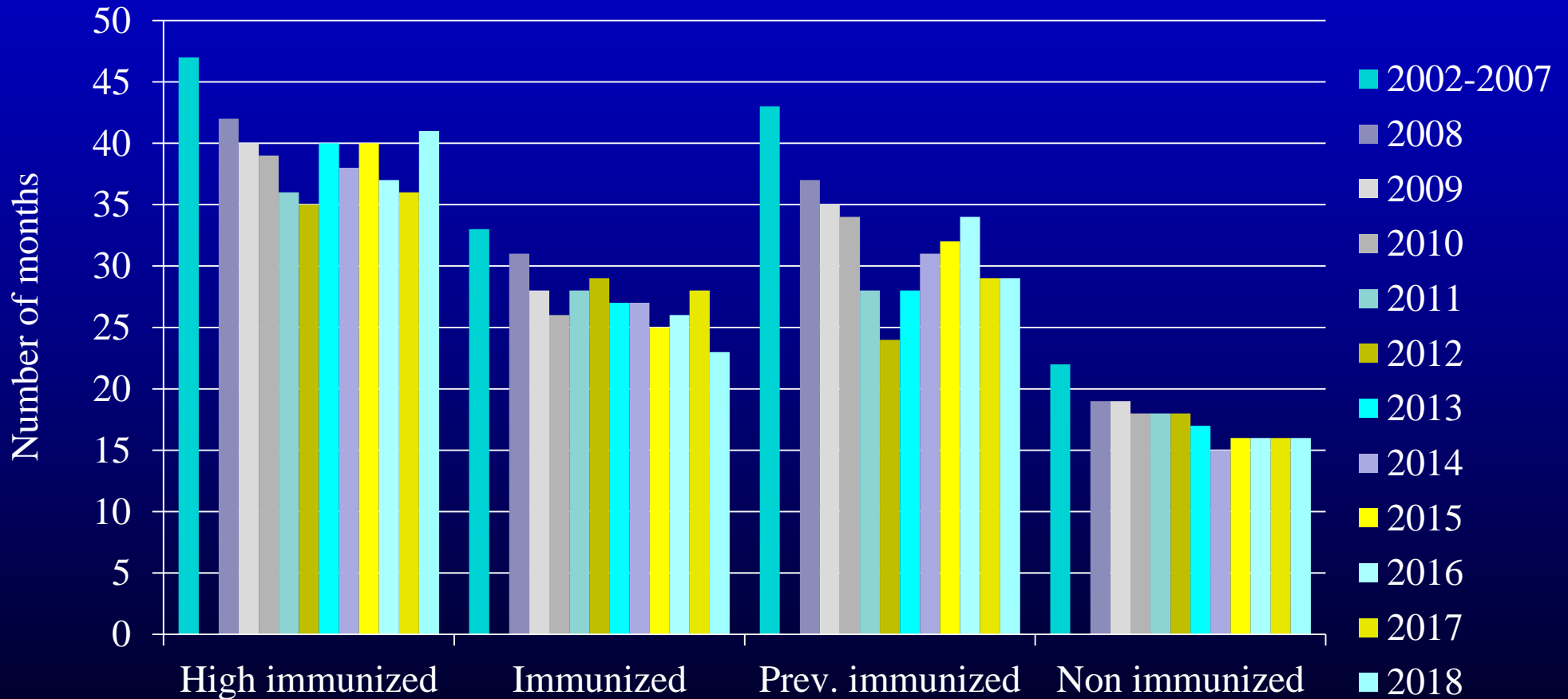


Average months on kidney waiting list at end of year

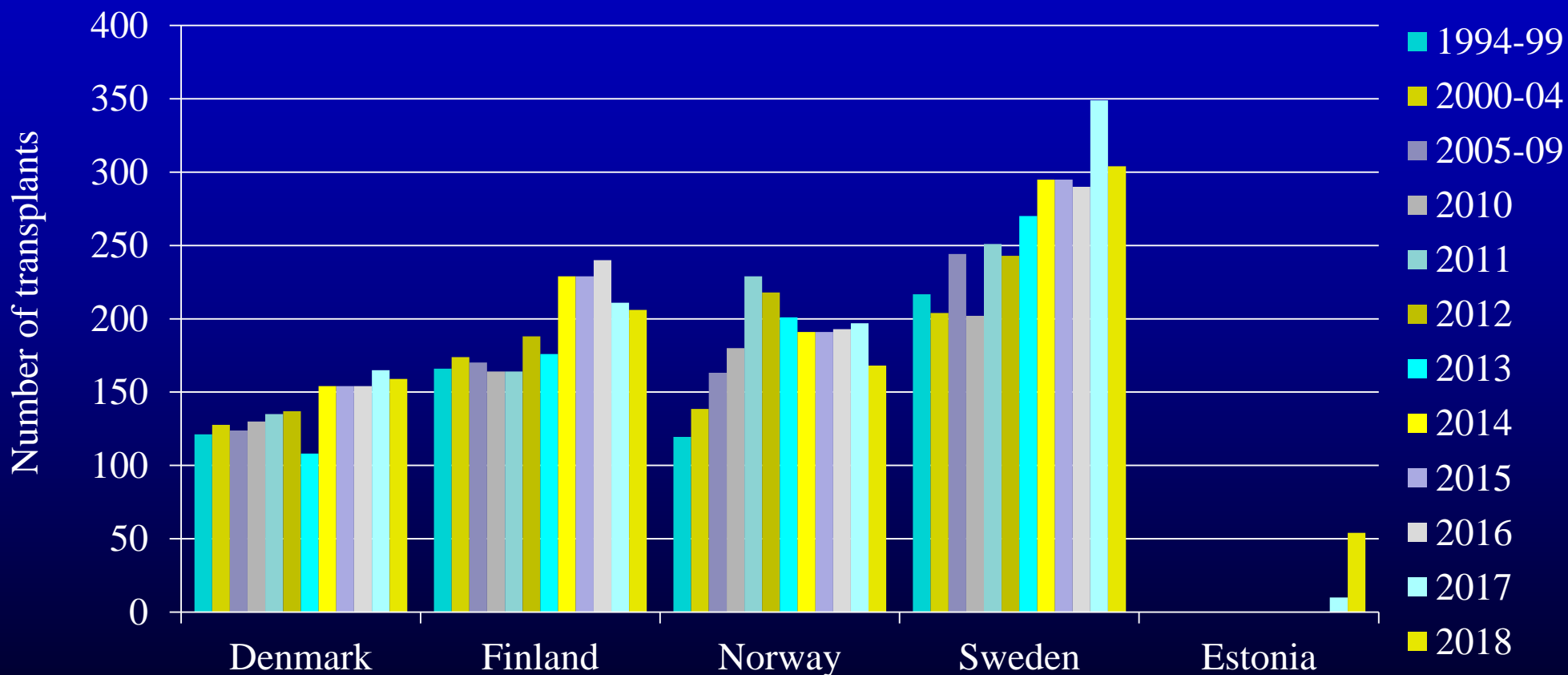
(including patients active and on hold)



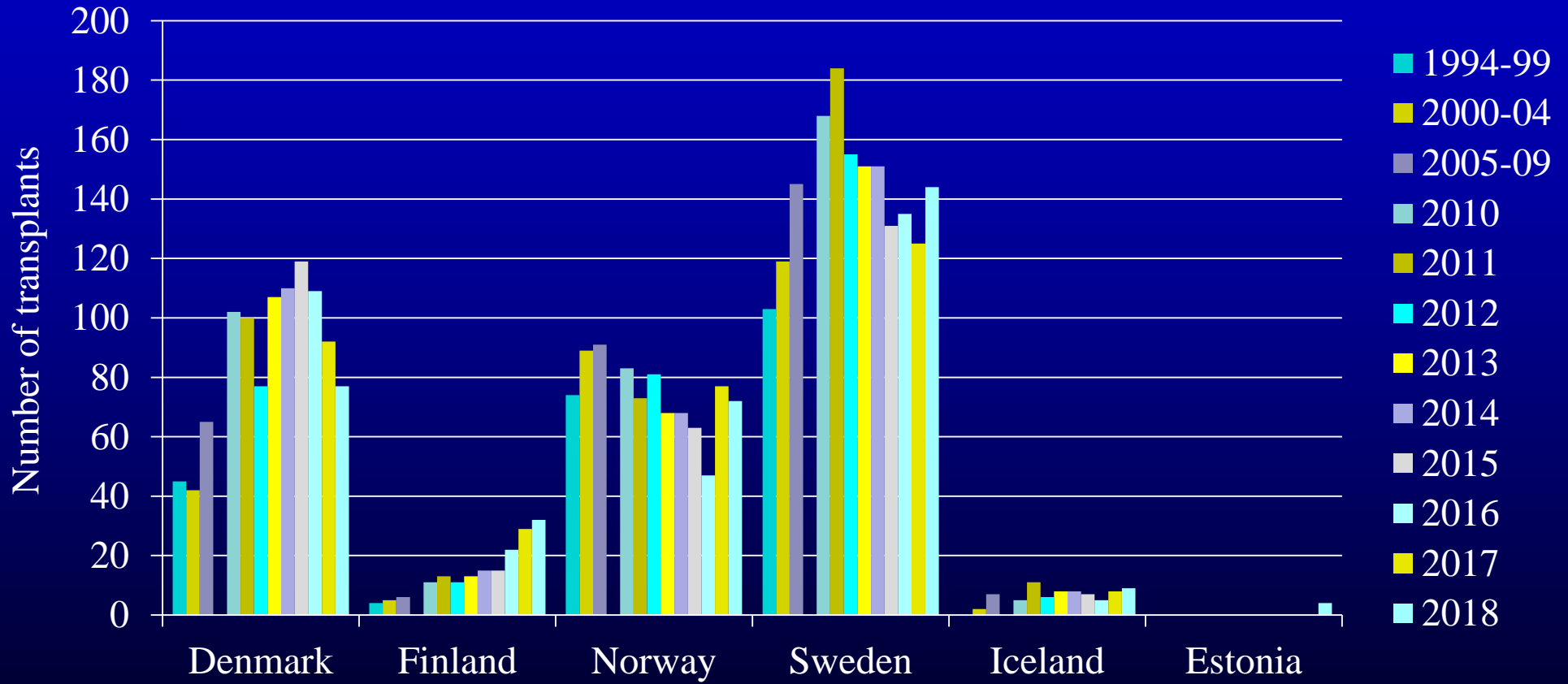
Average months on kidney waiting list by immunisation status at end year



Deceased donor kidney transplants 1994 - 2018



Figures included from Estonia year 2017 starts from October 1st 2017

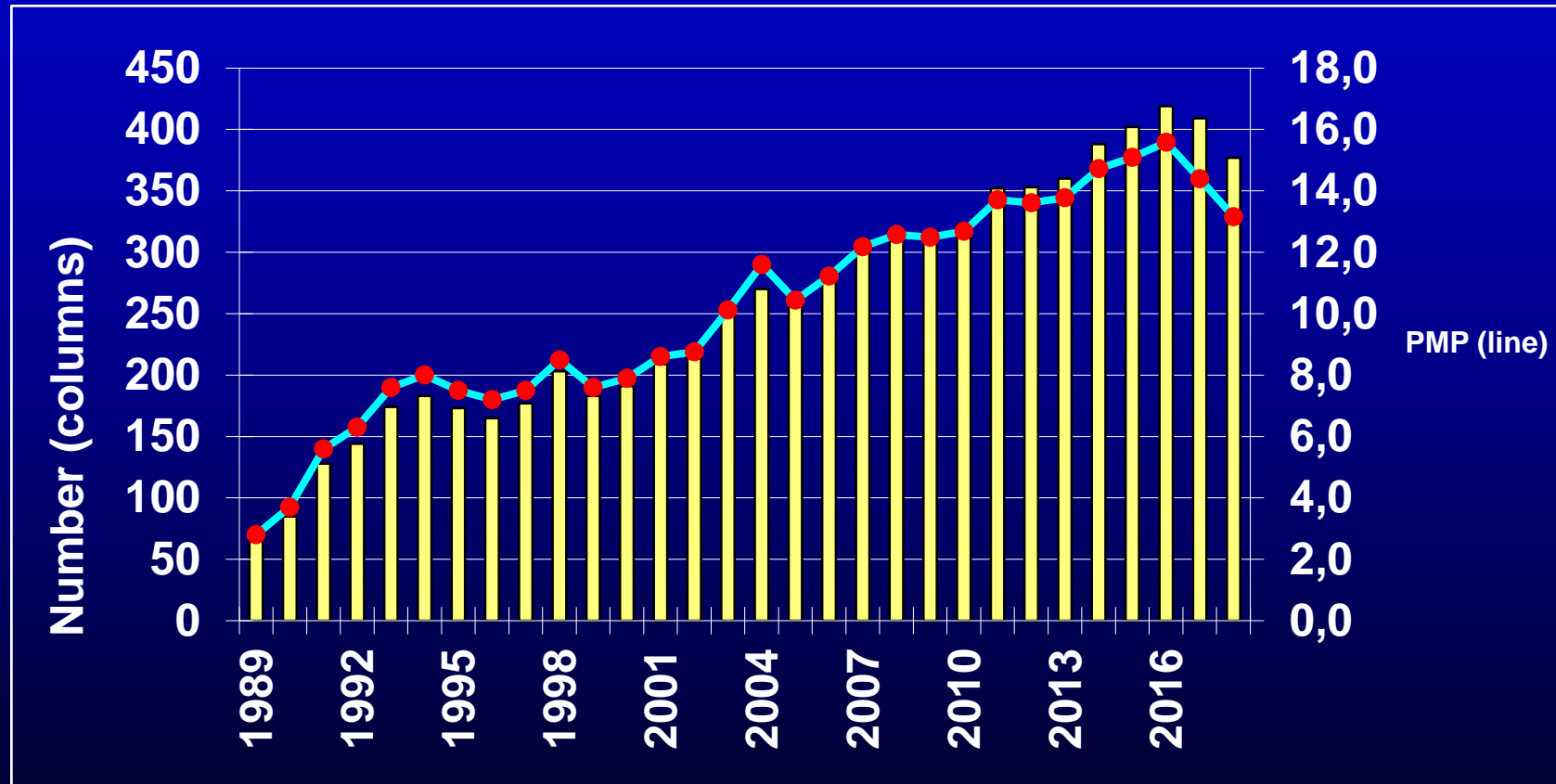


Kidney exchange obligations

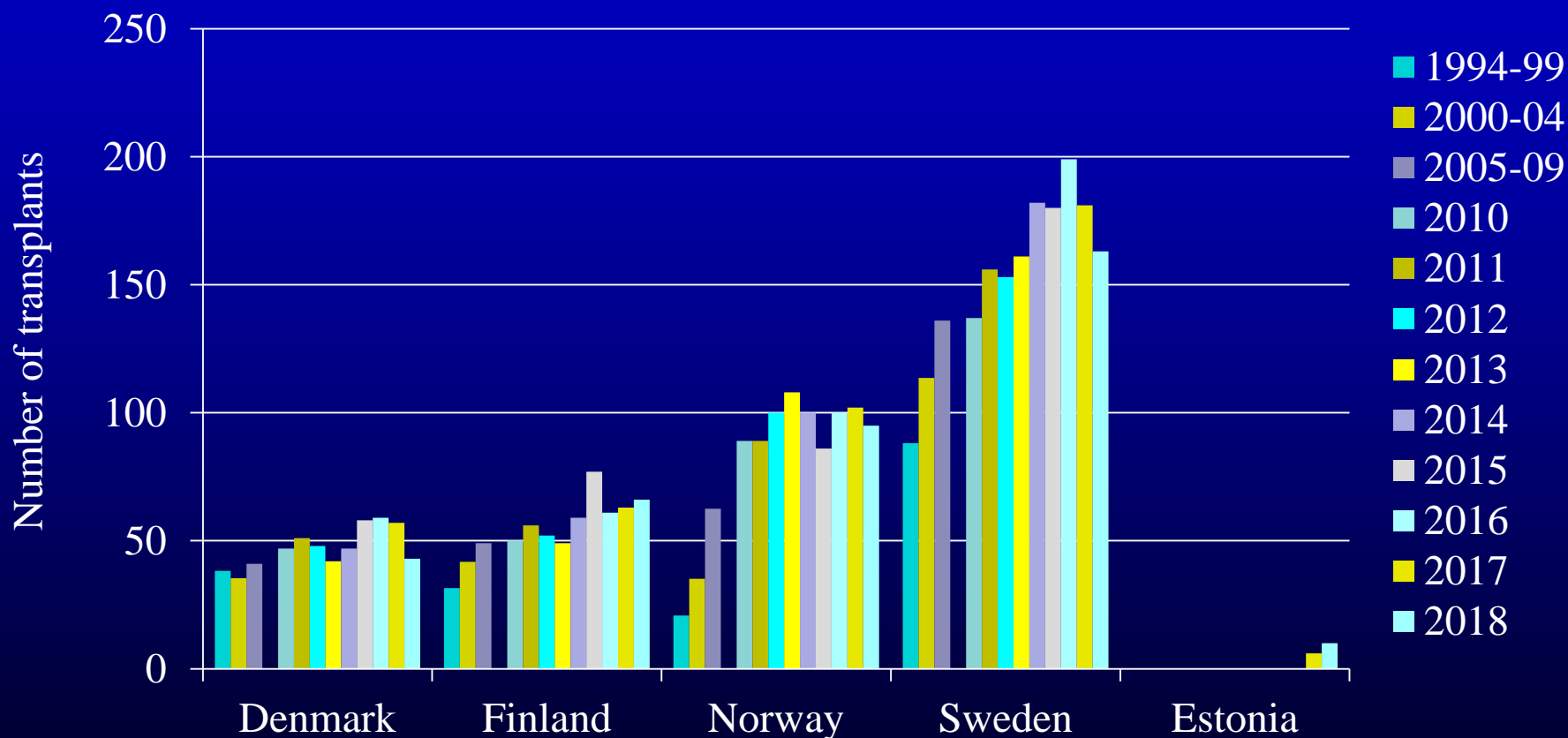
1. Patient with STAMP-status that are ABO compatible with donor and where all donor HLA-A, -B, -C - DRB1, -DQB1, -DPB1 antigens are either shared with the recipient or are among those defined as acceptable.
 2. Highly immunized ($\text{PRA} \geq 80\%$) patients who are HLA-A, -B, -DRB1 compatible with donor.
 3. Immunized patients ($\text{PRA} \geq 10\%$ but below 80%) who are HLA-A, -B, -DRB1 compatible with donor.
 4. If organ donor is <50 years of age, at least one kidney is offered to recipient <16 years of age (counted from time of registration) if there is HLA-DRB1 compatibility and in addition not more than 2 HLA-A, B mismatches.
 5. Patients who are HLA-A, -B, -DRB1 compatible with donor unless the proposed recipient is > 30 years older than the donor.
- blood group 0 kidneys to blood group 0 recipients for obligation 2-5.
 - blood group B kidneys to blood group B recipients for obligation 2-5.
 - return obligation of a kidney within 6 months.

Liver Transplantation

Liver Transplantation 1989 - 2018



Liver Transplantation 1994-2018



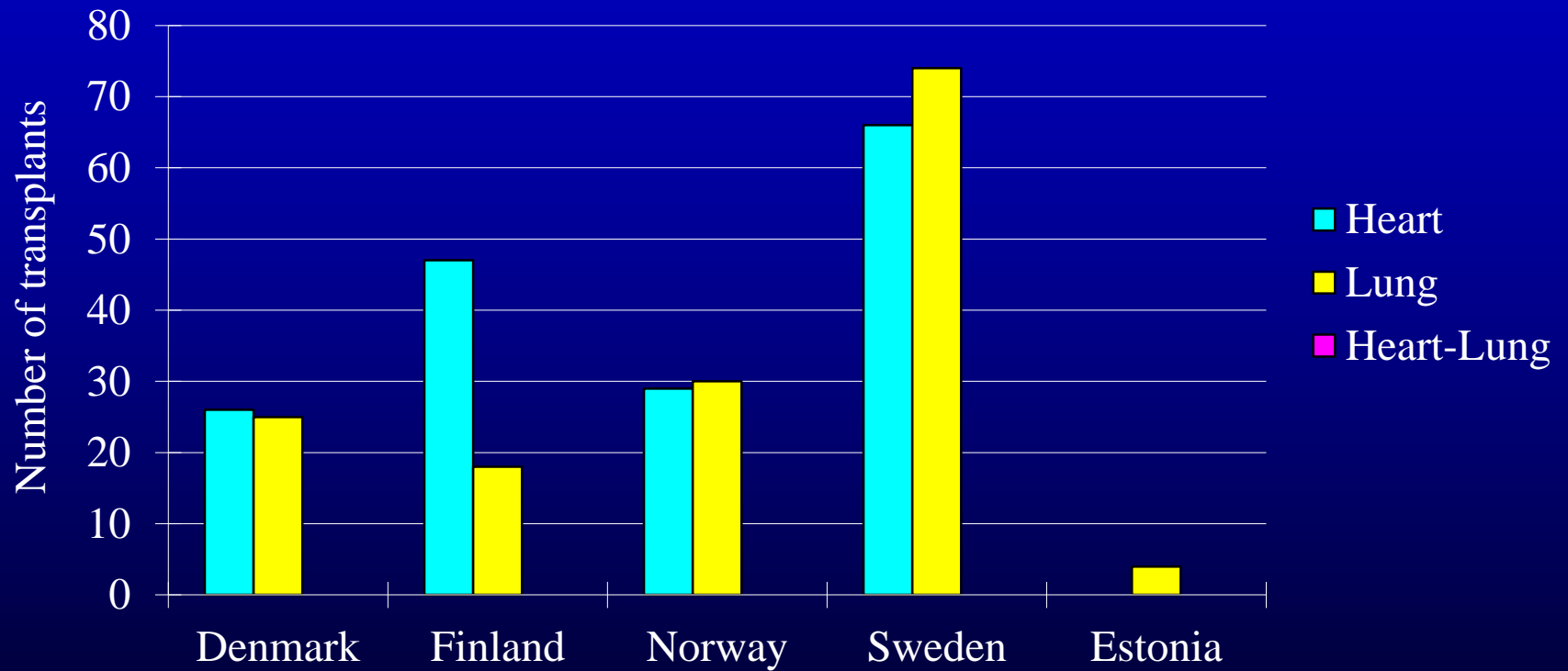
Figures included from Estonia year 2017 starts from October 1st 2017

Exchange criteria Liver

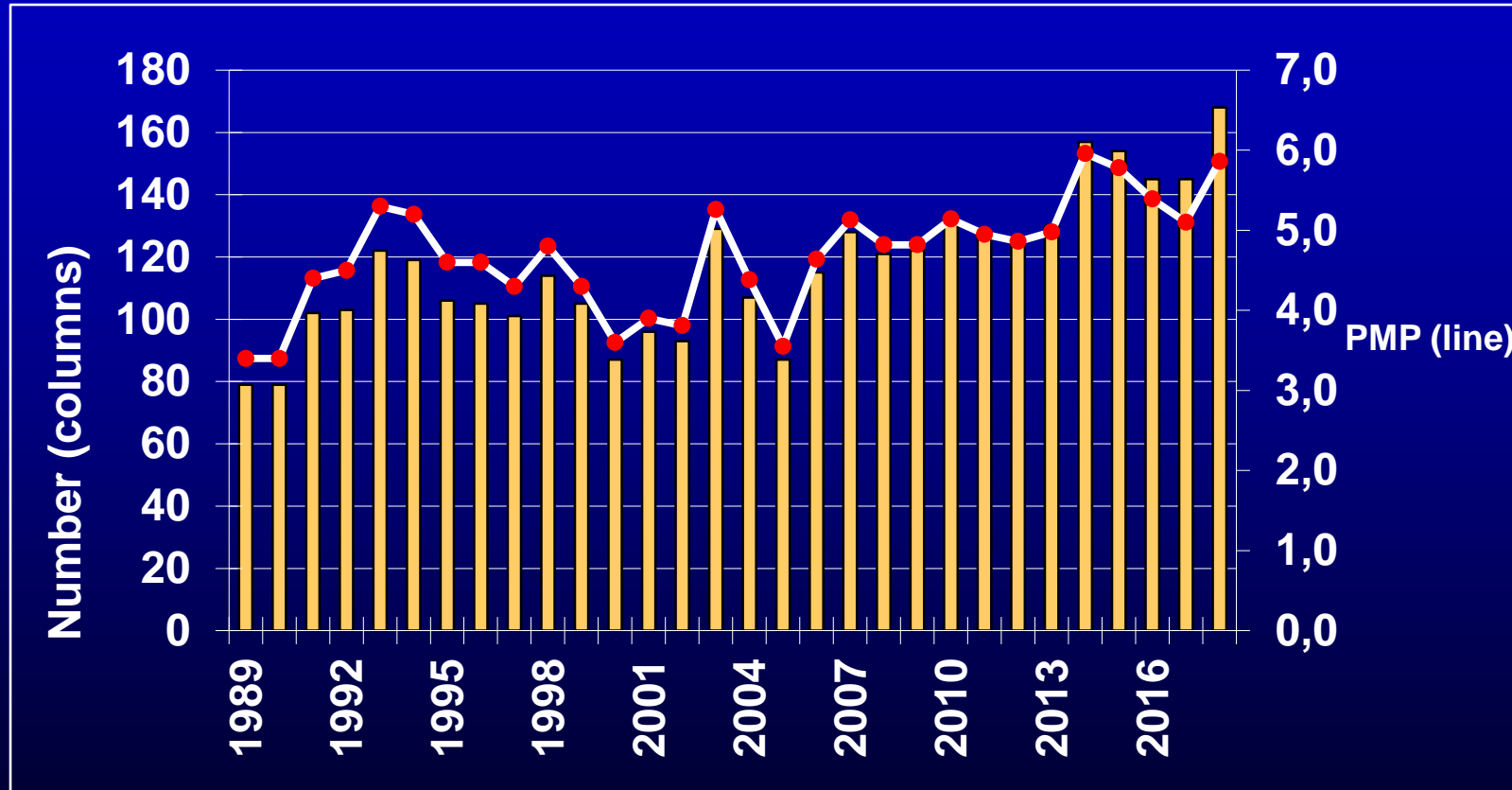
- Exchange obligation to highly urgent patients:
 - acute liver failure
 - acute liver re-transplantation
 - highly urgent patients needs to be transplanted within 72 hours
- Exchange obligation to pediatric (<18 years at entry on liver waiting list) and multivisceral recipients if donor liver fulfils split criteria
 - Return (pay back) liver to donor centre
- Rota system for spare livers

Thoracic Transplantation

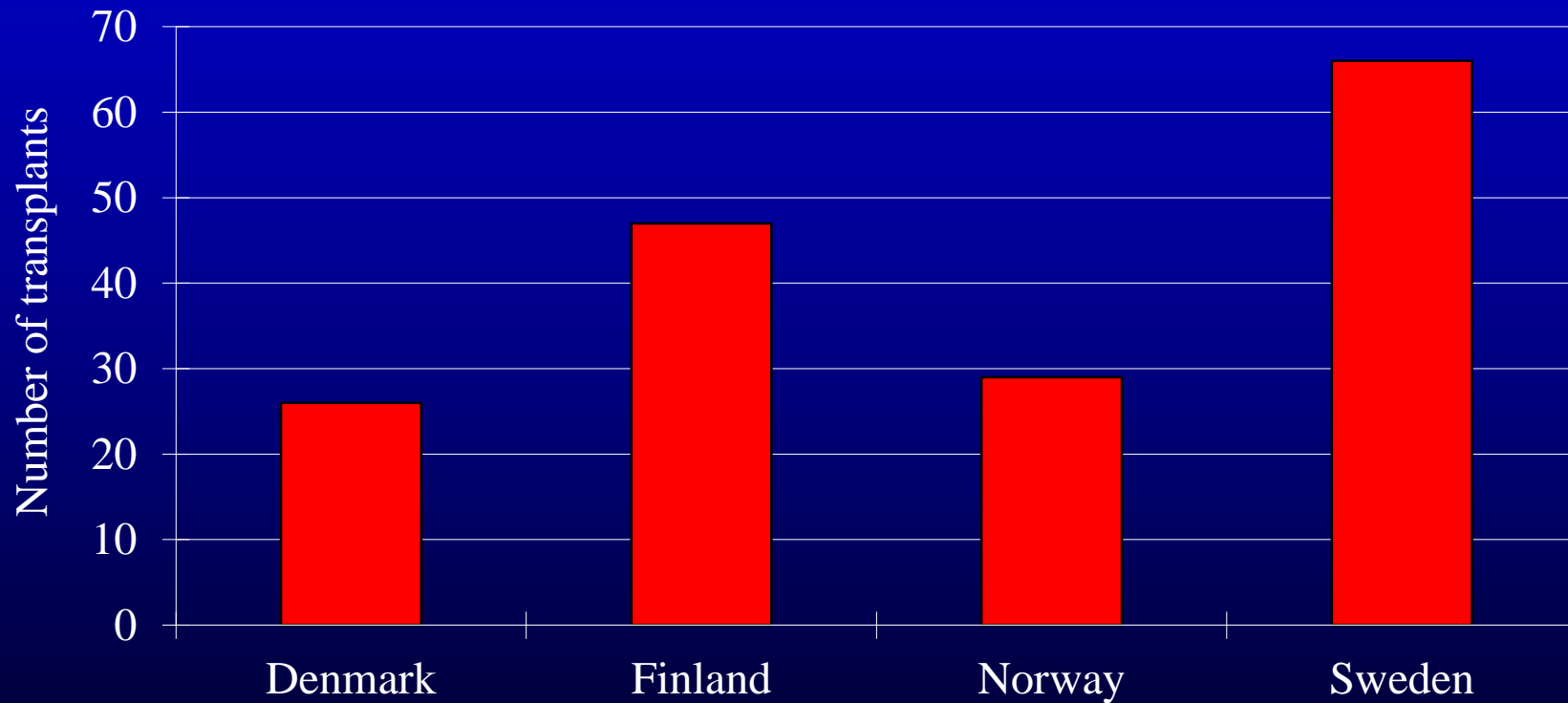
Thoracic transplantation 2018



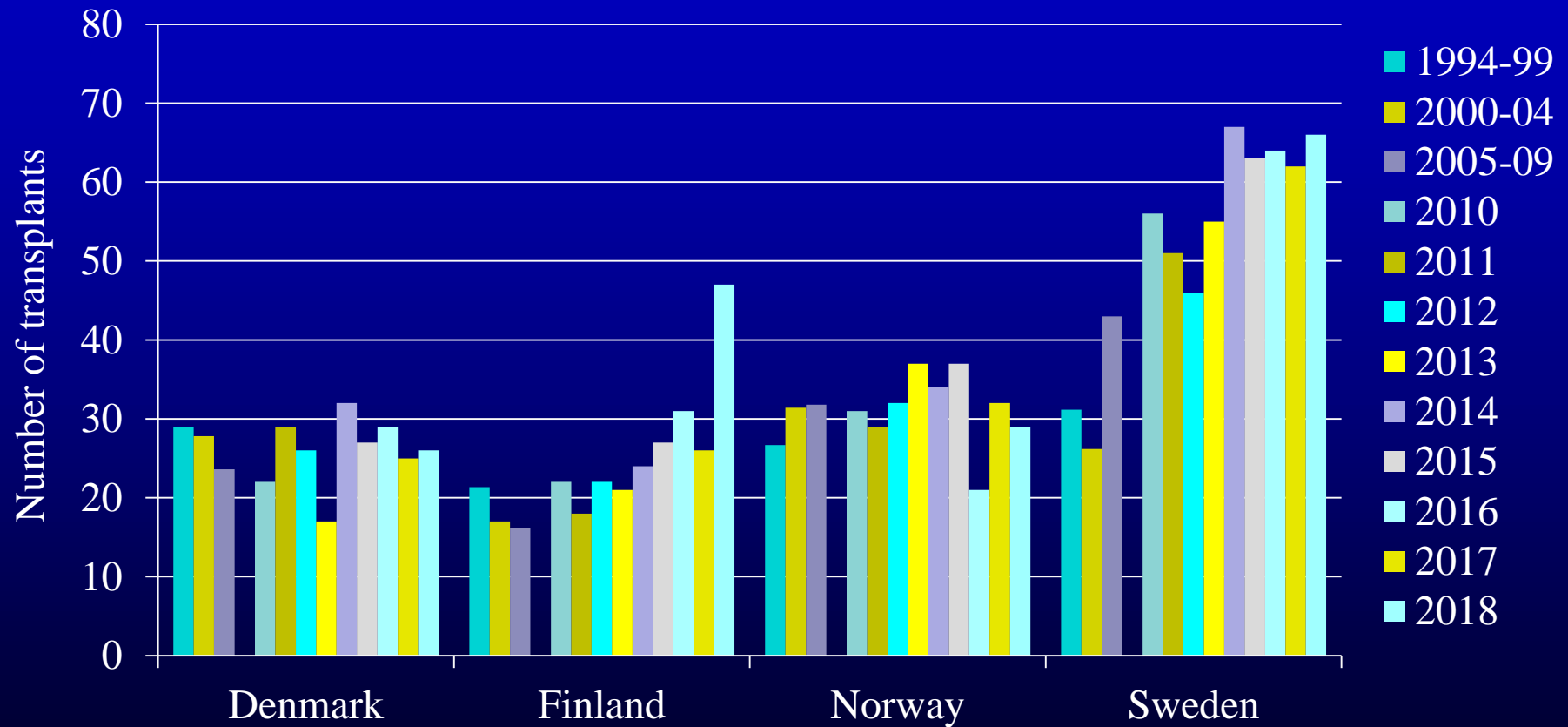
Heart Transplantation 1989 - 2018



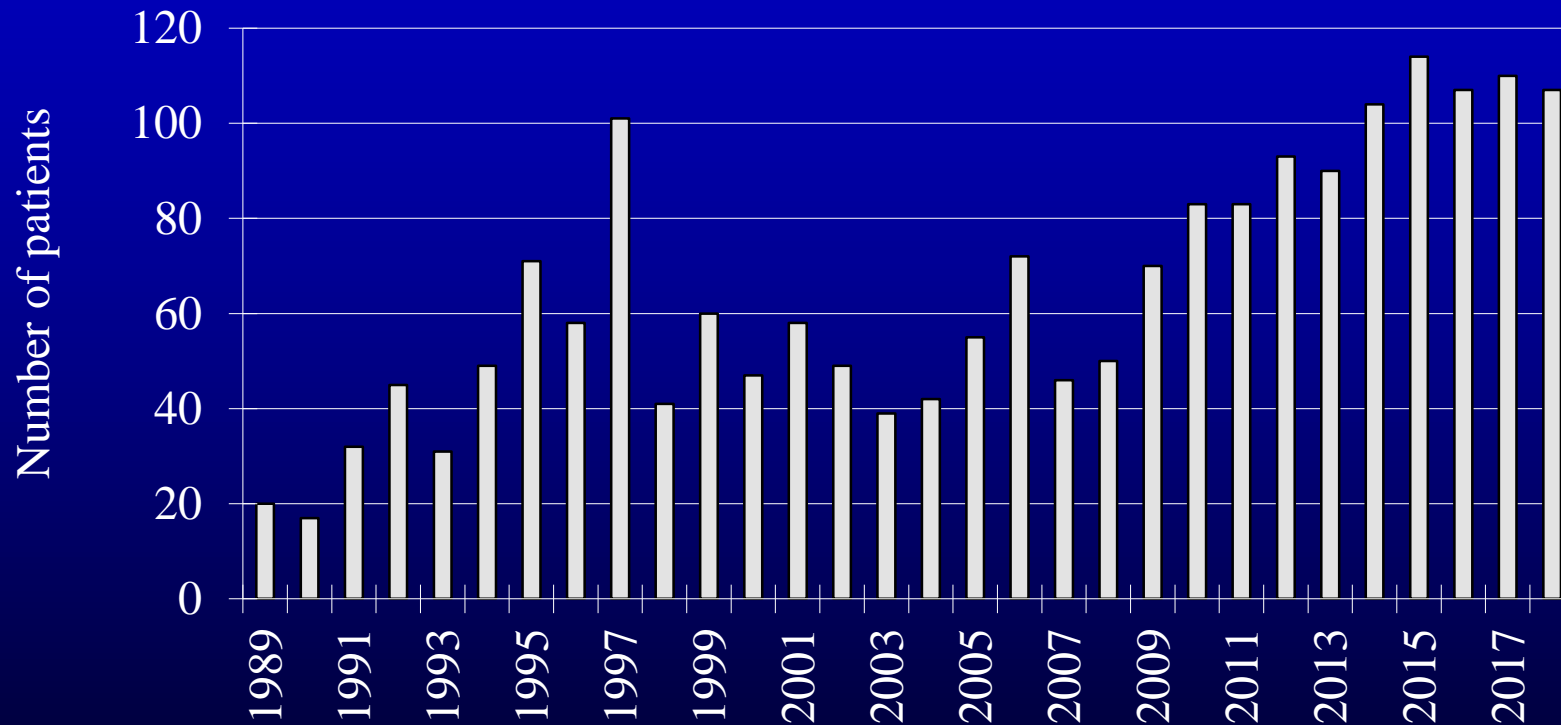
Heart transplantation 2018



Heart Transplantation 1994 - 2018



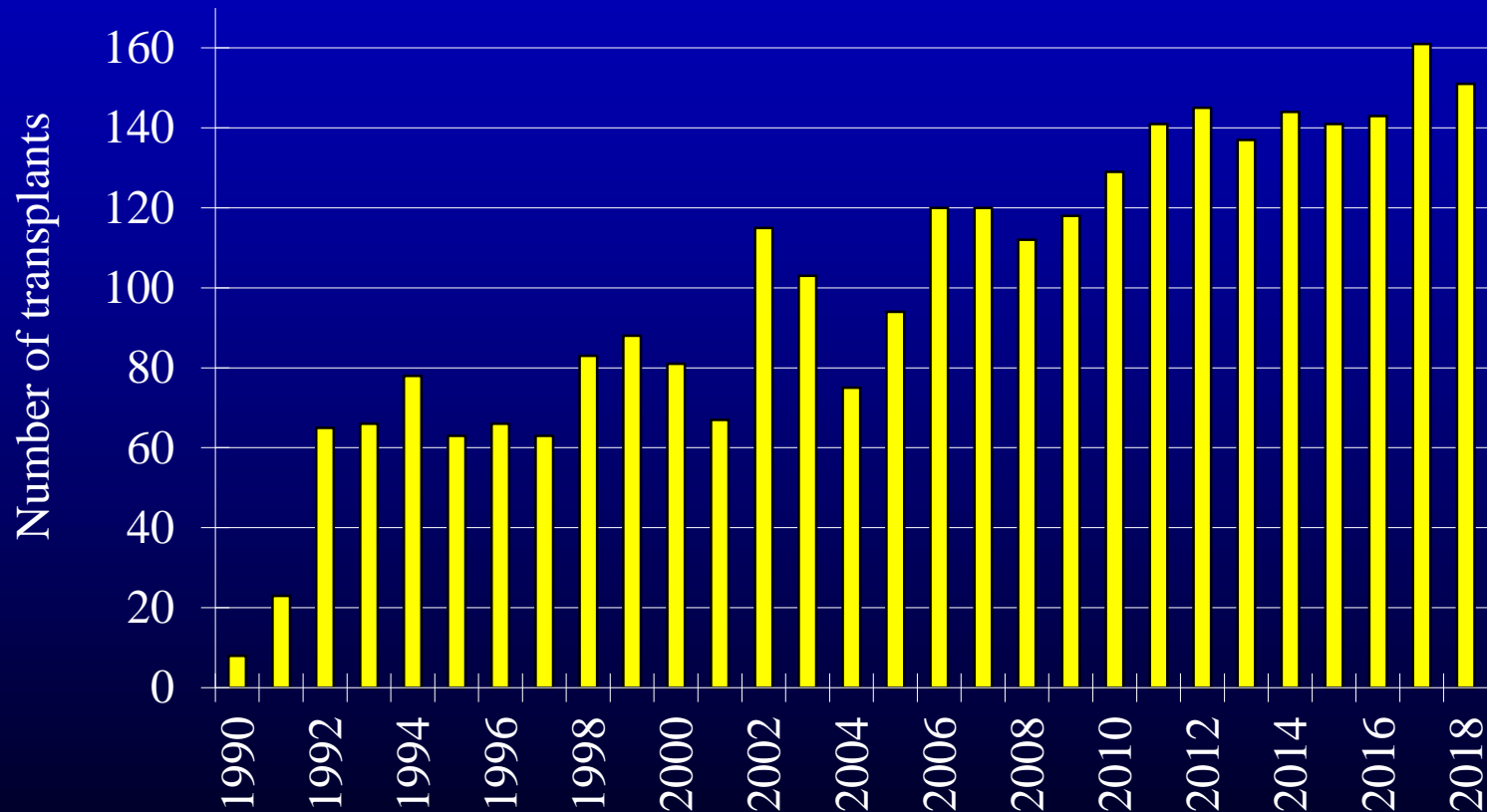
Number of patients on the heart waiting list at the end of the year 1989 - 2018



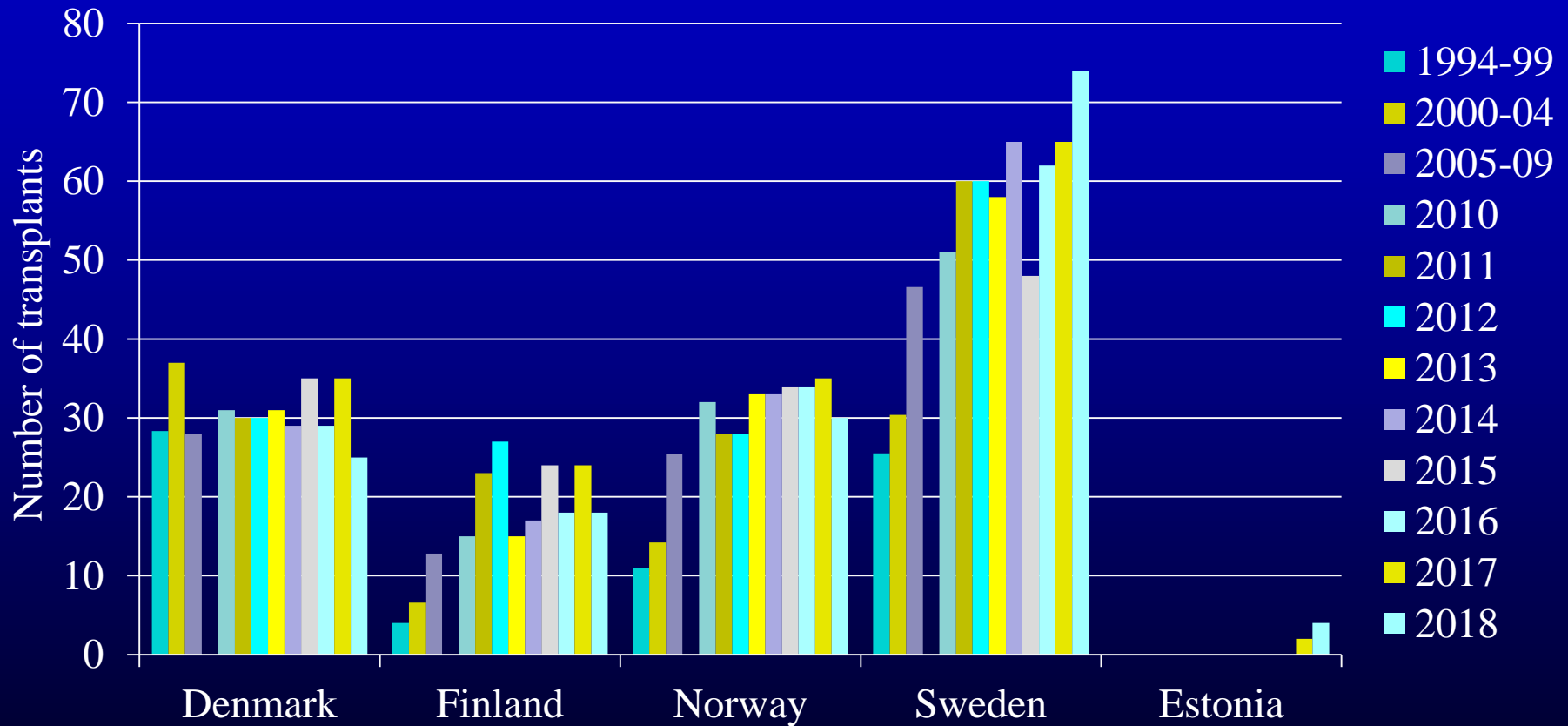
Exchange criteria Heart

- Exchange obligation to highly urgent patients on waiting list:
 - Patient on short-term assist devices (ECMO, centrifugal pump).
 - Patient on para corporeal or implantable blood pump with device failure or uncontrollable device infection.
 - Patients below 16 years on inotropic support for more than 12 months support on implantable LVAS.
- Rota system for exchange of hearts between countries.

Lung transplantation including heart-lung



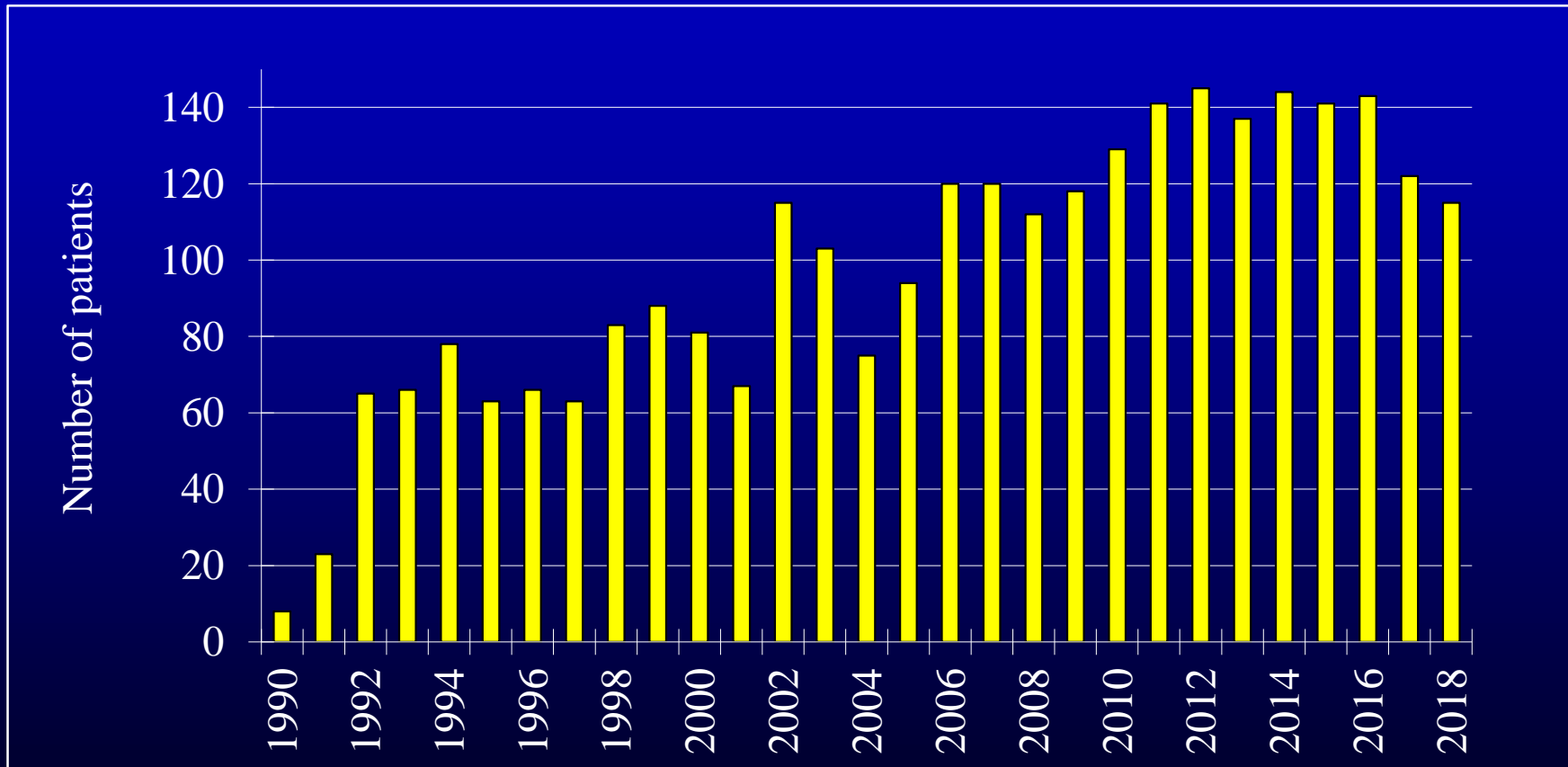
Lung Transplantation 1994 - 2018



Figures included from Estonia year 2017 starts from October 1st 2017

Number of patients on the Lung waiting list at the end of the year

1991 – 2018



Exchange criteria Lung

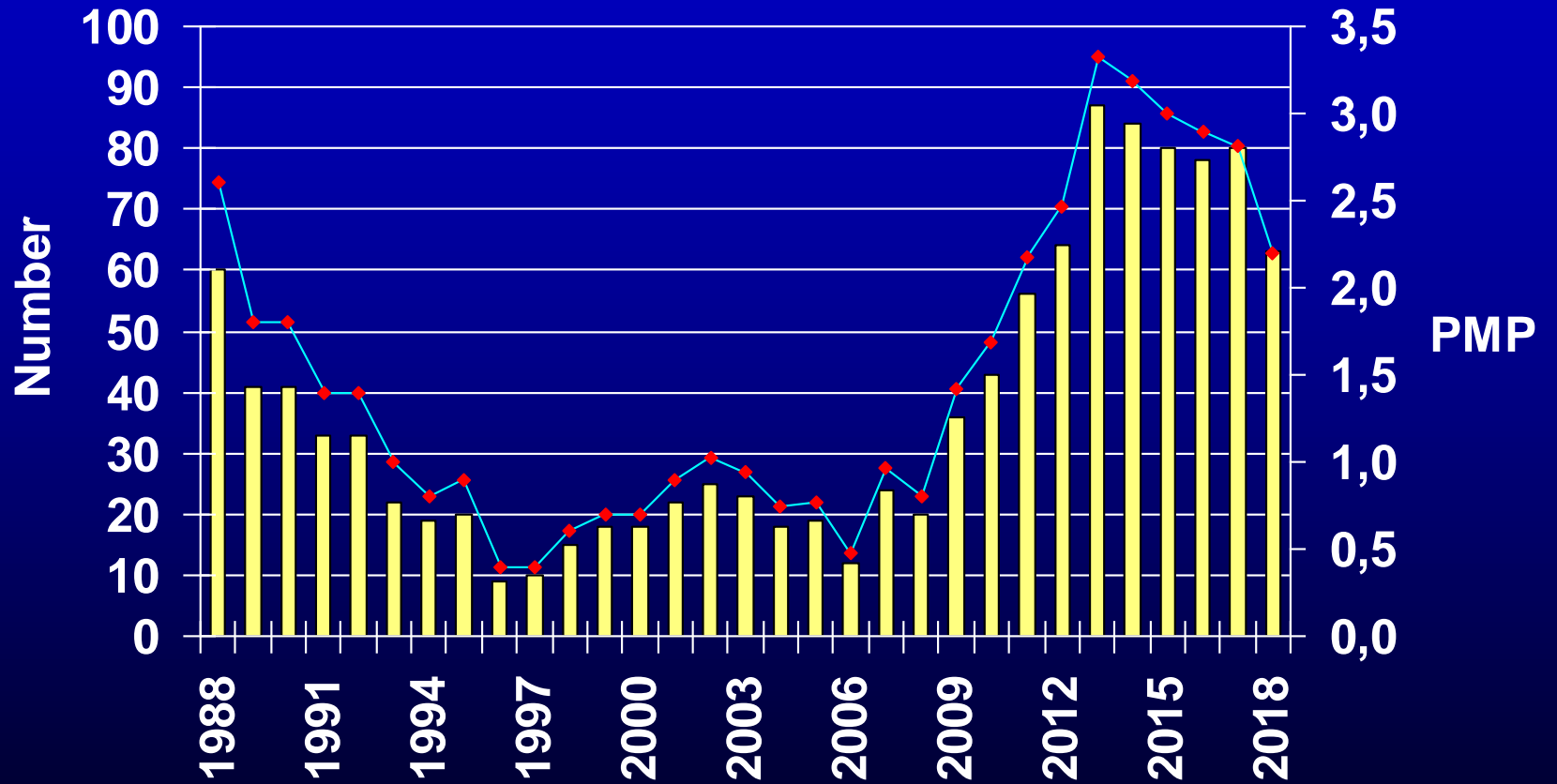
- Exchange obligation to highly urgent patients on waiting list
 - Priority 0: Patient on extra-corporeal circulatory support (ECMO, Novalung or other device) or ventilatory support*.
 - Priority 1: Patient with a rapid progression of organ failure with poor prognosis in a short time defined by the responsible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

Pancreas and Islet Transplantation

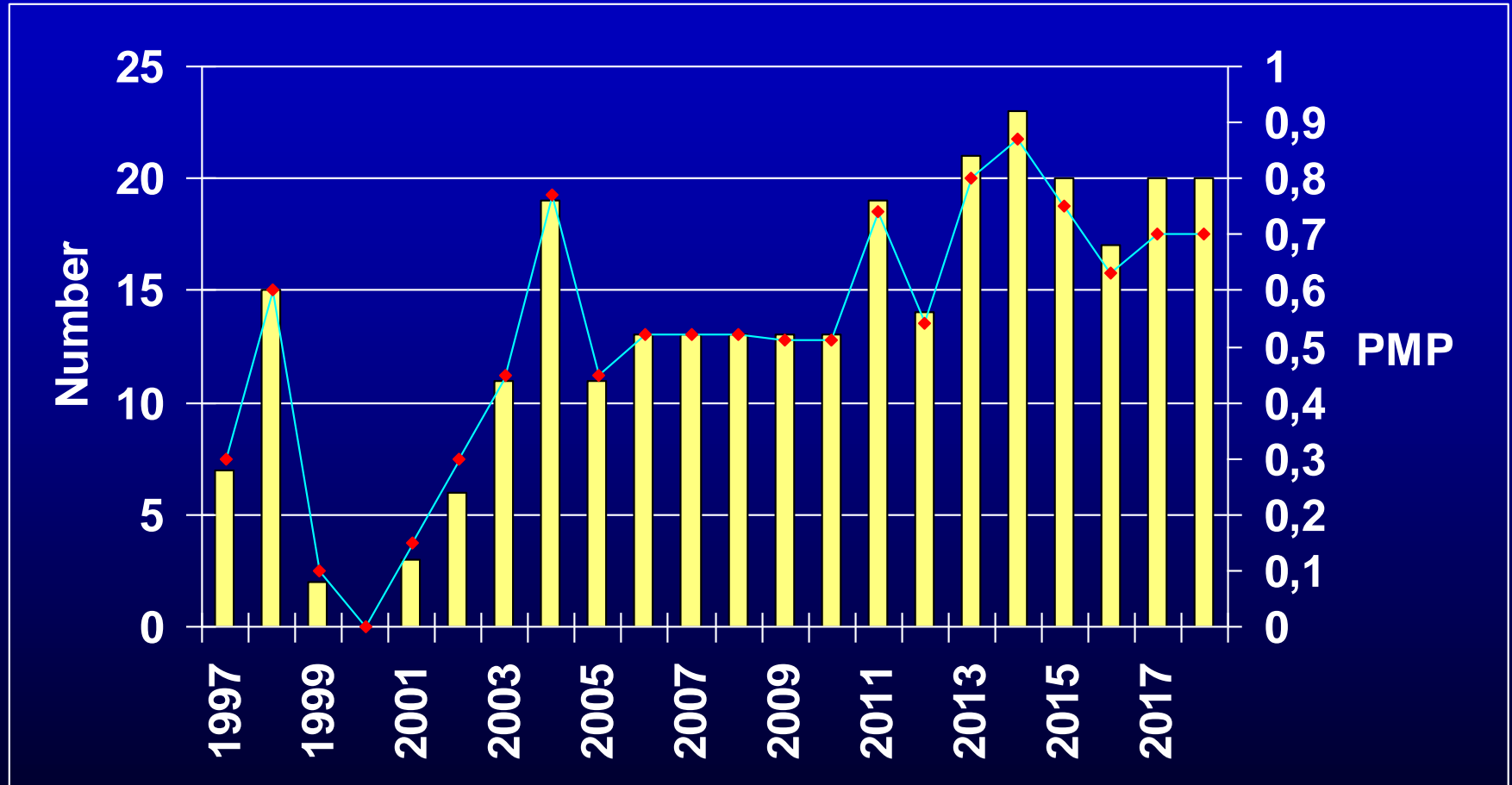
Exchange recommendations Pancreas

If there is no suitable recipient in own centre, the pancreas (and kidney if SPK) is recommended to be offered to AB0 compatible recipients in other centres. The centre at the highest position on the rota list accepting the pancreas will receive it and be put last. Shipment of a kidney is only performed if no other kidney exchange obligation with higher priority (as defined by Scandiatriansplant) exists. The receiving centre has the responsibility for the pancreas procurement. The receiving centre has to pay back, as soon as possible, with an AB0 identical kidney of a quality acceptable to the recipient centre. There is no mandatory payback for the pancreas.

Pancreas Transplantation 1988 – 2018



Islet Transplantation 1997-2018





Thank you