

NORDIC LIVER TRANSPLANT REGISTRY (NLTR) KEY NUMBERS AND STATISTICS 2014

Helsinki March 25th 2015

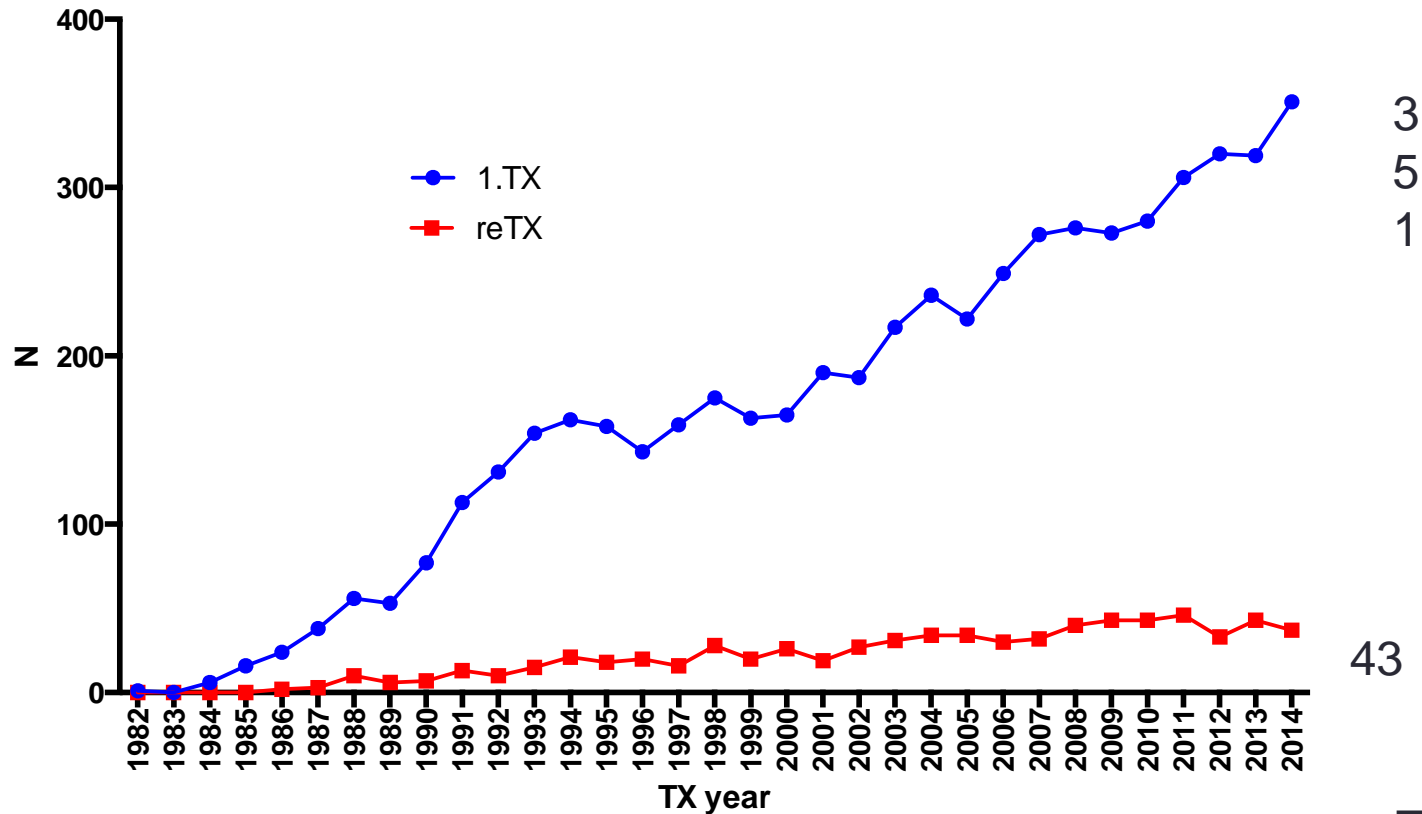
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Data content NLTR 31.12.14

- 6437 patients entered into system
- 5492 receiving first liver transplant
- 590 (10.7%) transplanted >1 time
- 99 (1.8%) transplanted >2 times
- 570 children (<16 yrs) TX (10.4%)

Annual number of liver TX 1982-2014

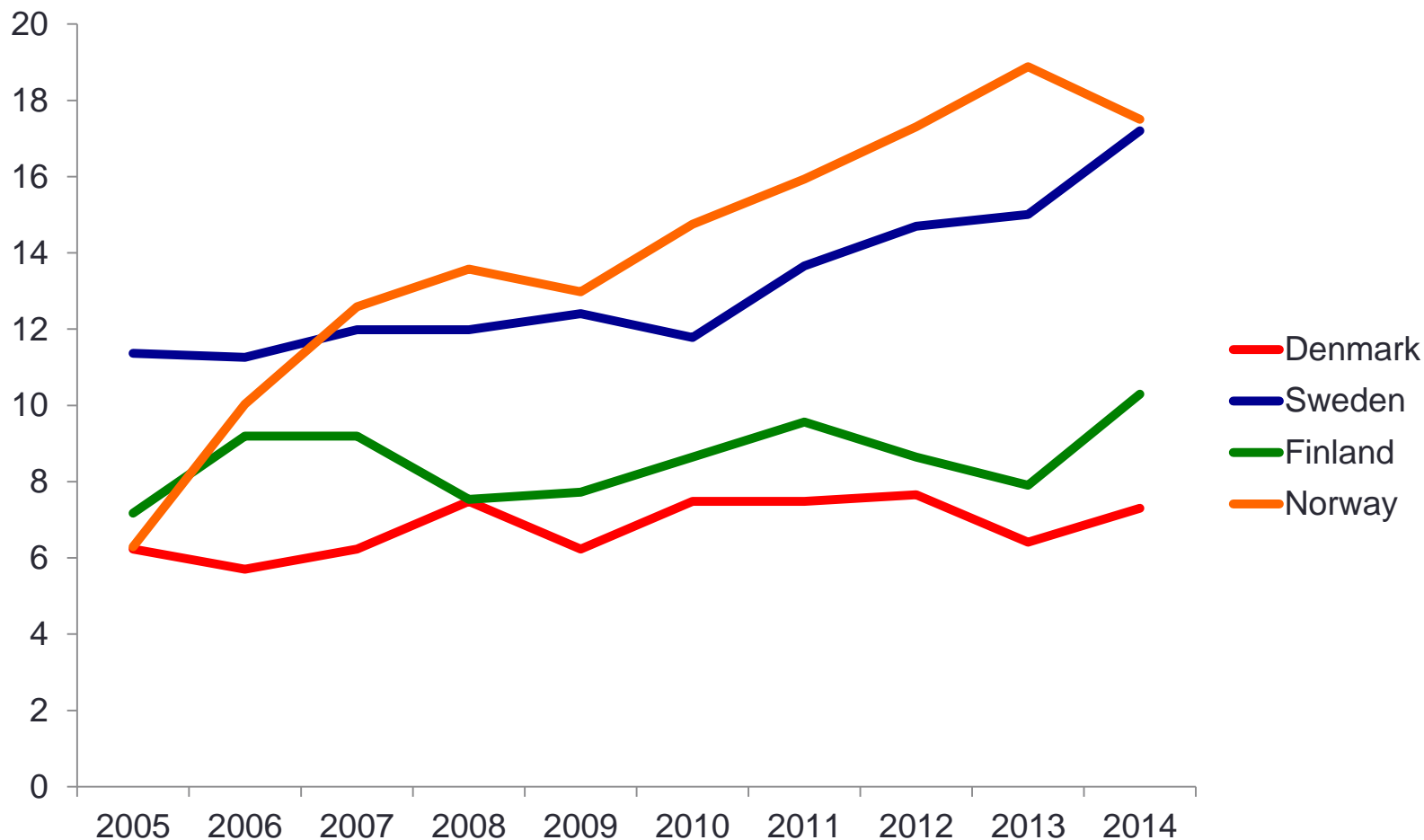


3
5
1

43

Total: 394

LTX adjusted per million population (PMP)



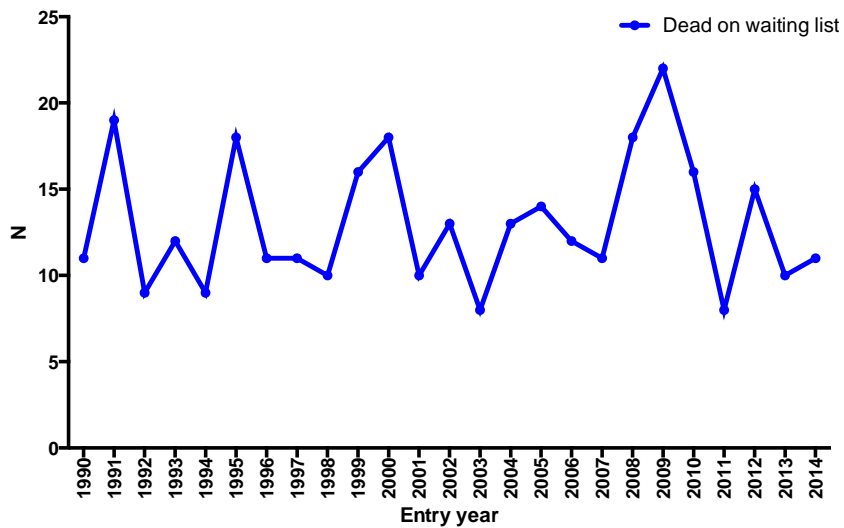
Waiting list 2014 – 418 entered

Active on waiting list	96
Cadaveric donor transplantation	286
Living donor transplantation	9
Domino	5
Permanent withdrawel	17
Dead on waiting list	10*

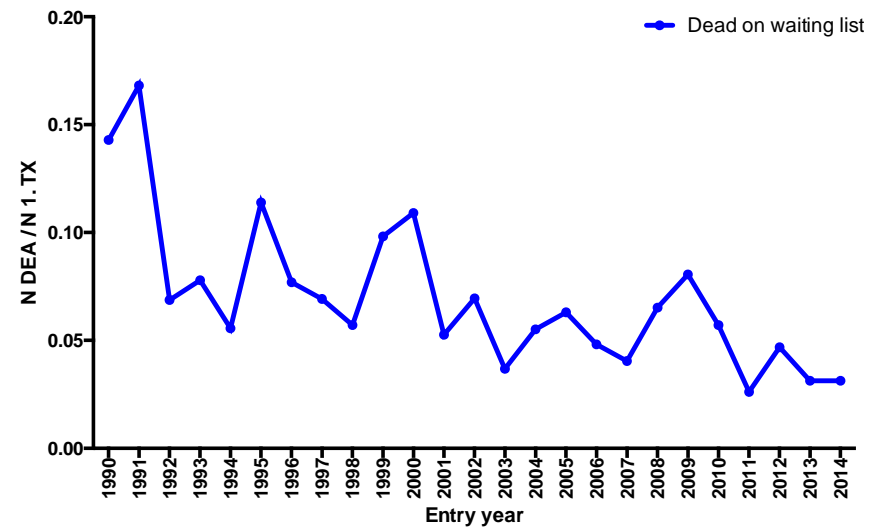
*Denmark 2, Sweden 1, Finland 2, Norway 5

Deaths on waiting list

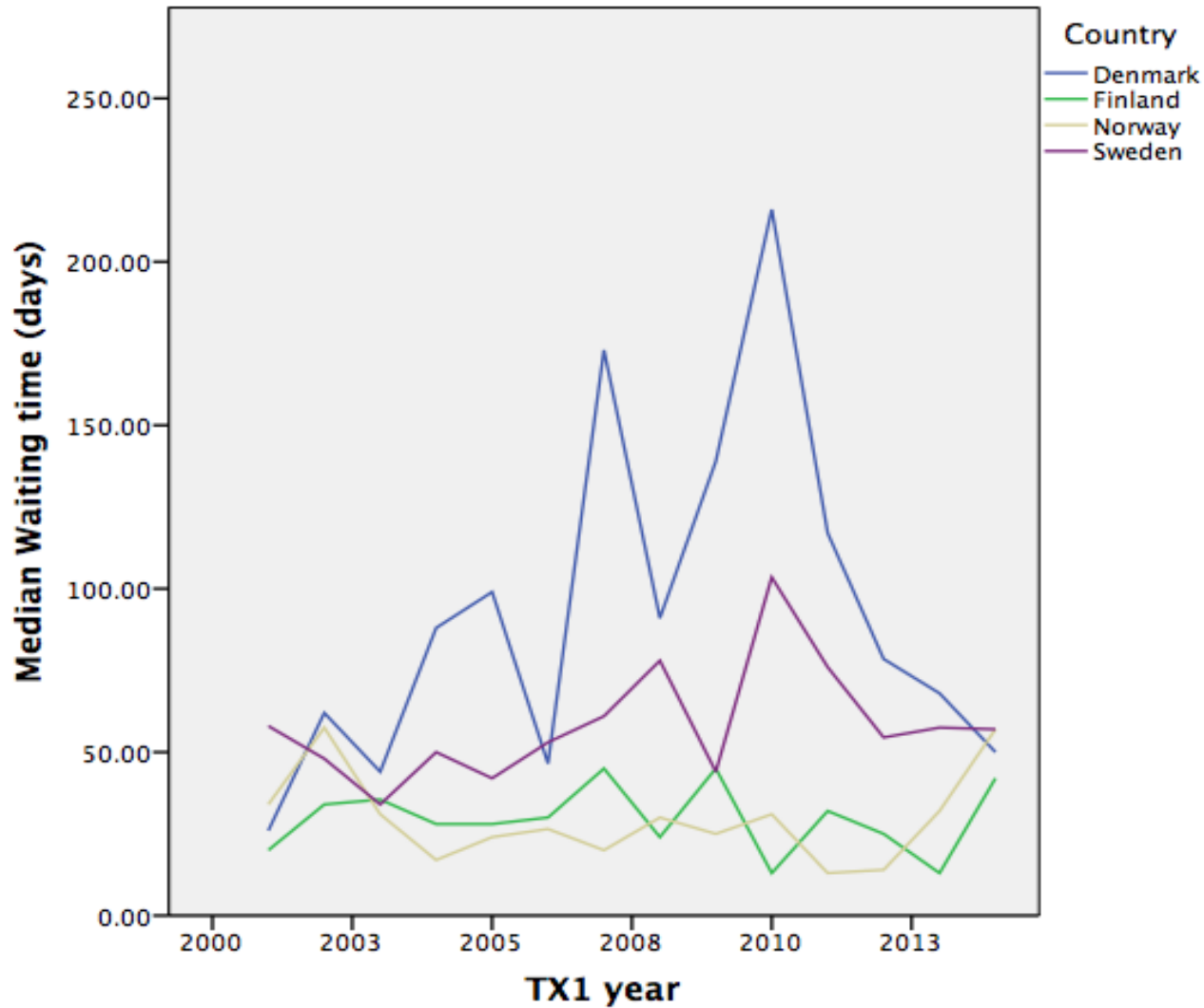
Absolute



Relative



Waiting time – trends since 2000

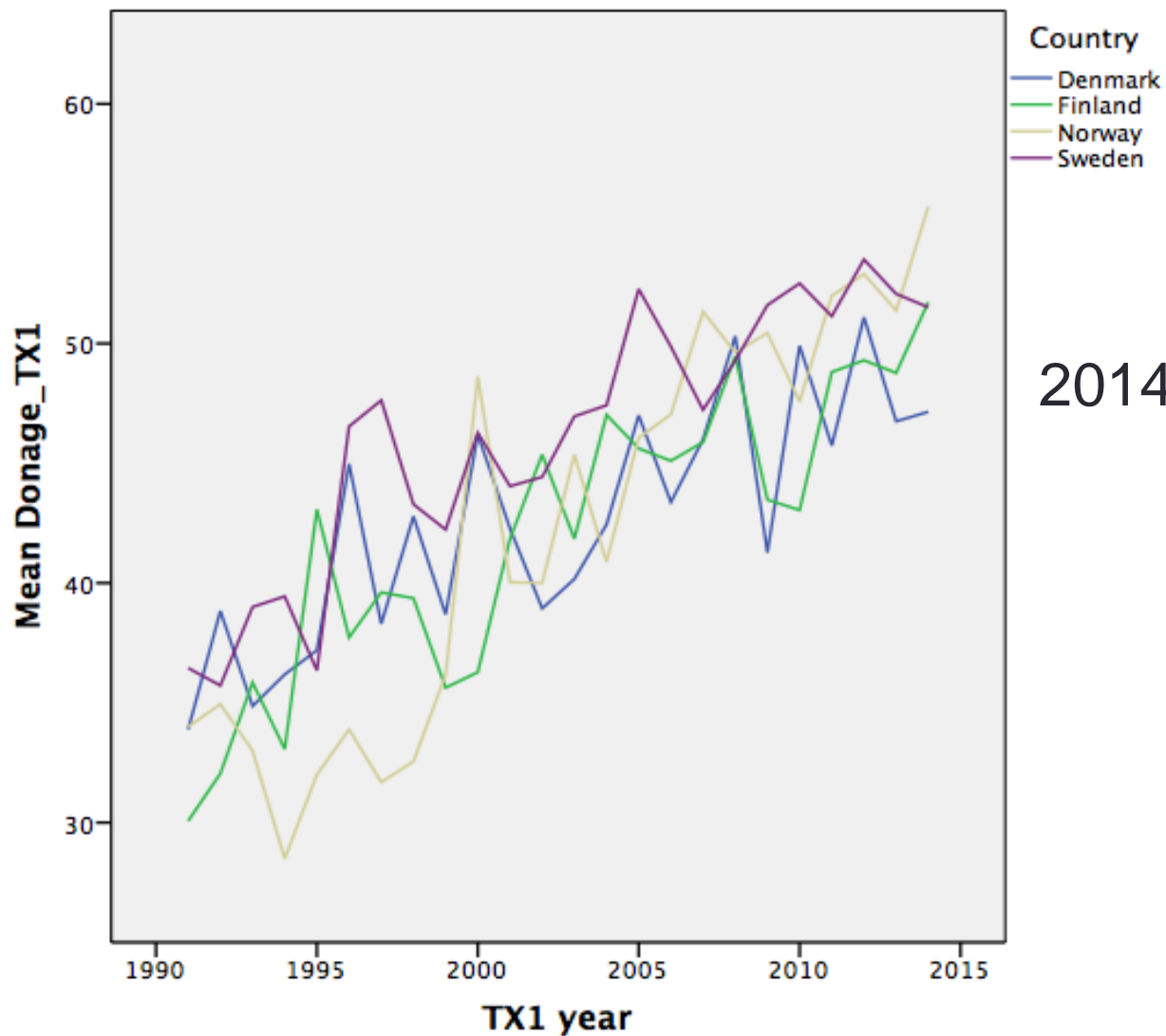


Listing diagnosis

	1982-89	1990-94	1995-99	2000-04	2005-09	2010-14	2014
Hepatocellular carcinoma*	11.3%	4.9%	4.8%	6.0%	8.7%	17.2%	19.7%
Primary sclerosing cholangitis	11.3%	11.0%	15.4%	17.4%	16.5%	16.2%	18.8%
Alcoholic cirrhosis	0.5%	6.8%	12.4%	12.1%	10.5%	11.8%	11.4%
Post hepatitis C cirrhosis*	0.0%	2.4%	7.1%	9.5%	10.8%	7.9%	5.7%
Metabolic disease	8.8%	10.4%	6.4%	5.2%	6.8%	6.5%	5.7%
Cirrhosis - unknown	3.1%	7.7%	6.9%	6.4%	7.5%	6.3%	5.7%
Acute liver failure	9.8%	14.5%	11.7%	10.8%	9.7%	9.3%	8.5%
Primary biliary cirrhosis	25.8%	17.3%	10.8%	7.3%	7.6%	4.8%	4.3%
Autoimmune cirrhosis	2.6%	3.6%	4.0%	3.9%	4.6%	4.4%	5.1%
Extrahepatic biliary atresia	6.2%	3.9%	5.4%	4.3%	3.1%	2.5%	2.6%
Secondary liver tumors	1.0%	0.5%	0.4%	0.7%	1.6%	2.0%	2.8%
Other liver malignancies	1.5%	2.5%	1.6%	1.9%	0.7%	1.6%	1.7%
Polycystic disease	0.0%	0.9%	1.8%	1.5%	1.4%	1.5%	2.0%
Budd-chiari	0.5%	1.9%	2.6%	1.2%	1.2%	1.0%	0.0%
Congenital disease	1.0%	0.8%	0.9%	0.9%	0.9%	1.0%	1.0%
Post hepatitis B cirrhosis	0.0%	2.8%	3.1%	3.4%	1.7%	0.8%	0.6%
Biliary tract carcinoma	0.0%	0.0%	0.0%	0.0%	0.3%	0.6%	0.3%
Post hepatitis D cirrhosis	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.6%
Post traumatic	0.0%	0.0%	0.0%	0.0%	0.1%	0.3%	0.0%
Cholangiocarcinoma	1.0%	0.9%	0.5%	0.8%	0.5%	0.2%	0.0%
Others	12.5%	5.9%	4.2%	6.6%	4.4%	2.6%	3.5%

In 2014 45% of the HCC patients were anti-HCV positive

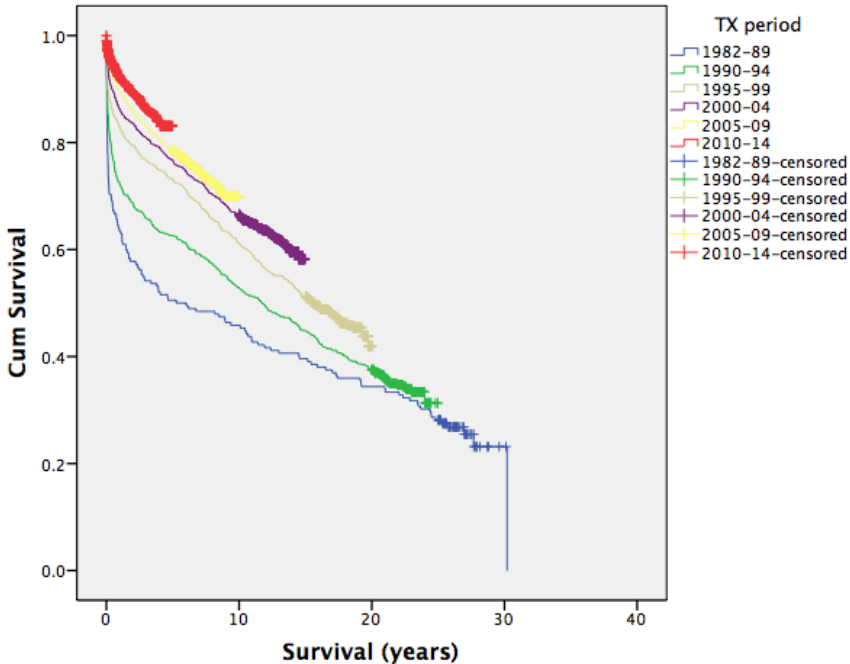
Donor age



2014: mean age 52.1 years

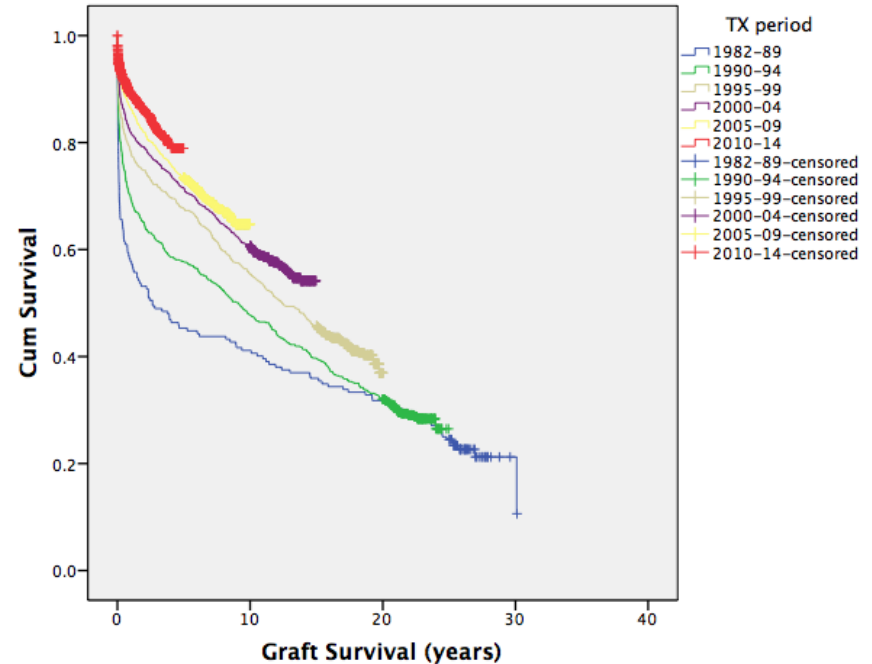
Overall patient and graft survival

Survival Functions



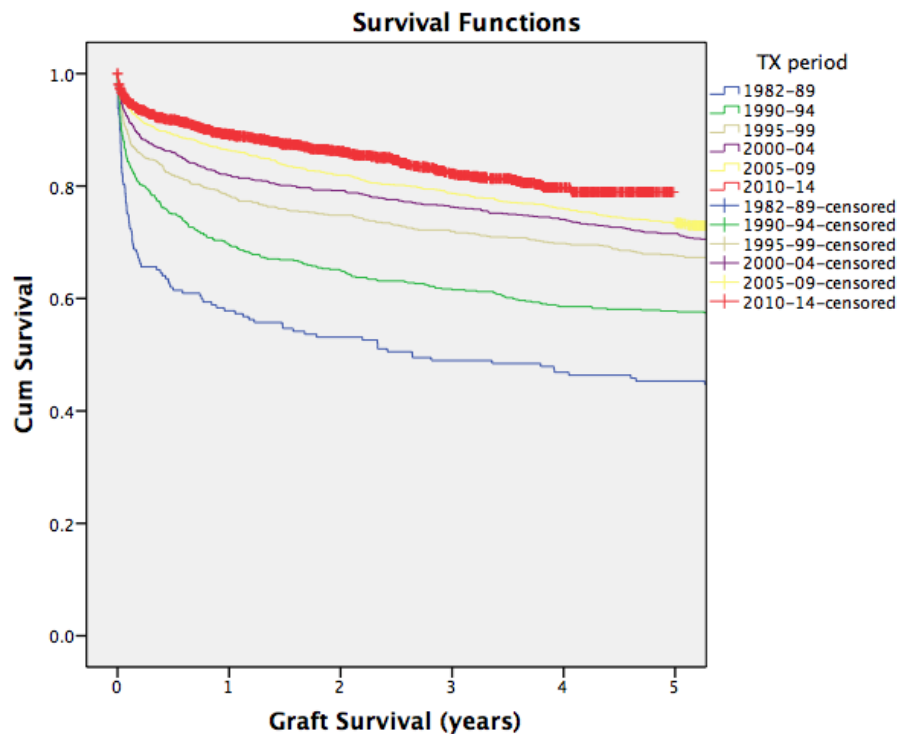
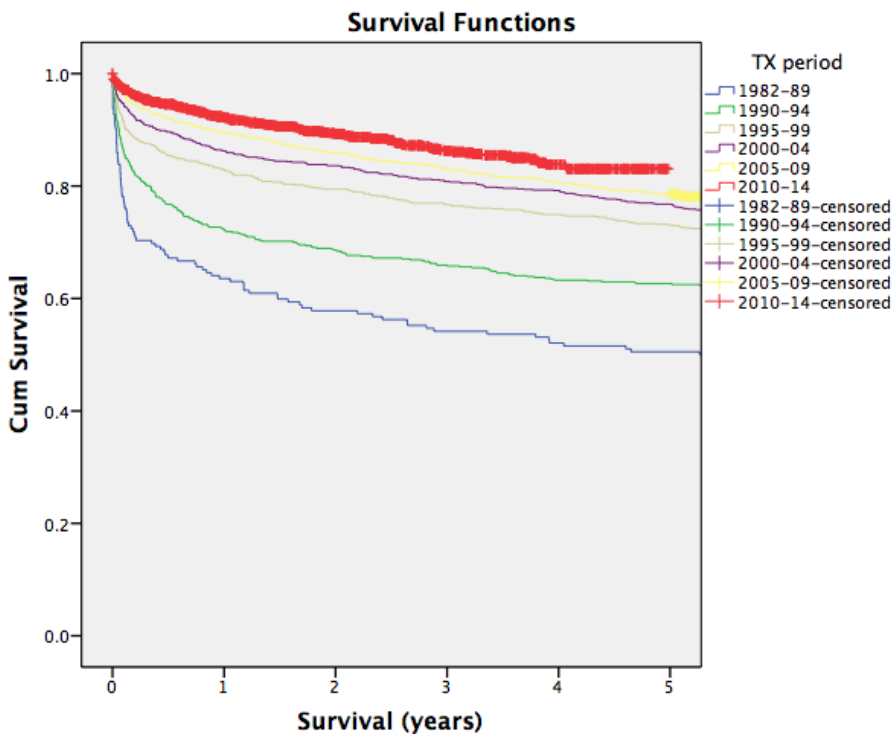
$$P_{(2010-14 \text{ vs. } 2005-09)} = 0.01$$

Survival Functions



$$P_{(2010-14 \text{ vs. } 2005-09)} = 0.008$$

5-year patient and graft survival



3-year survival:
2005-2009: 83%
2010-2014: 86%

3-year graftsurvival:
2005-2009: 79%
2010-2014: 82%

Summary

- Liver transplantation activity increasing
- Number of deaths on the waiting list remains stable, but is declining if the increased activity is taken into account
- HCC is the most common diagnosis, 45% of these patients are also anti-HCV positive
- Donor age gradually increasing
- Survival have improved in the most recent 5-year period
- Report will be presented at the ScandiTransplant website