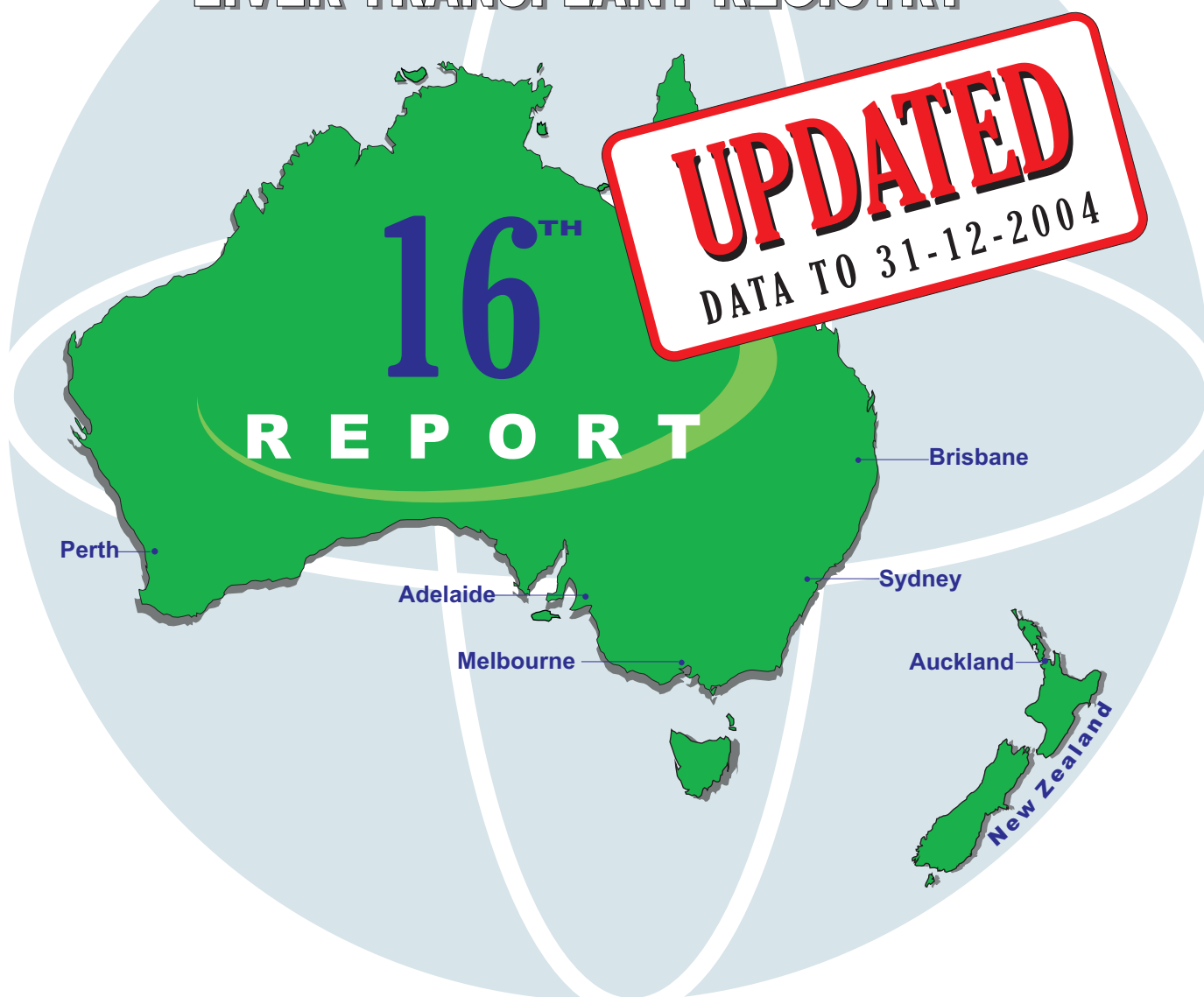


# AUSTRALIA & NEW ZEALAND

LIVER TRANSPLANT REGISTRY



From the Combined Registries  
of the Australian and New Zealand  
Liver Transplant Centres

DATA TO 31-12-2004

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## CITATION

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Brisbane, QLD, AUSTRALIA  
Editors : S.V. Lynch, G.A. Balderson

## STATISTICAL METHODS

Kaplan-Meier survival curves have been produced using SPSS® for Windows™ Release 12.0.1 , SPSS Inc.

## ACKNOWLEDGMENT

The Cancer Registry is maintained at Royal Prince Alfred Hospital, Sydney. Report prepared by Pamela Dilworth, Dr Deborah Verran, Dr Graham Stewart.

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# Contents

<b>Preface</b>	<b>2</b>
<b>Section 1</b>	<i>Demographic Data</i>
Cumulative Number of Patients and Transplants	3
Number of New Patients	4
Age of Recipients	5
Number of Transplants by Year	6
Type of Graft by Year	7
<b>Section 2</b>	<i>Primary Diagnosis</i>
Primary Diseases of Recipients	8-9
Primary Diseases by Era	10
<b>Section 6</b>	<i>Donor Information</i>
Cadaveric Donation by Year	11
<b>Section 7</b>	<i>Waiting List</i>
Waiting List Outcome	12-13



# Preface

The Australia and New Zealand Registry (ANZLTR) is a collaborative effort of the liver transplant centres in Australia (Adelaide, Brisbane, Melbourne, Perth, Sydney) and New Zealand (Auckland). The Registry is supervised by the Management Committee who are involved in the ongoing supervision of the development of the Registry. The Management Committee has agreed to changing the reporting period for each report to bring the ANZLTR Reports into line with the reports from the other transplant registries in Australia. All reports will now be based on data for the calendar year.

It was decided that the next full report (17<sup>th</sup> Report) would be of data to 31<sup>st</sup> December 2005 and an interim report would update some data to 31<sup>st</sup> December 2004. This interim report updates data for several sections of the 16<sup>th</sup> report with data to 31<sup>st</sup> December 2004. Updated sections are demographic data, primary diagnoses, donor numbers and waiting list data.

Donor data have been supplied by the Australia and New Zealand Organ Donor Registry and we thank them for their collaboration.

The Editors would also like to thank the staff of all the Liver Transplant Units who now contribute their data by direct entry into the ANZLTR database. A full list of the Units and their contact information can be found on the back cover page. In particular we are grateful to the efforts of Pamela Dilworth, Program Manager for her continuing contribution to the maintenance of the Cancer Registry which is based at the Royal Prince Alfred Hospital, Sydney and who together with Dr Deborah Verran and Dr Graham Stewart prepare the Cancer Report.

The registry now has some financial support and we are grateful to the Commonwealth Department of Health and Aging for their financial contribution.

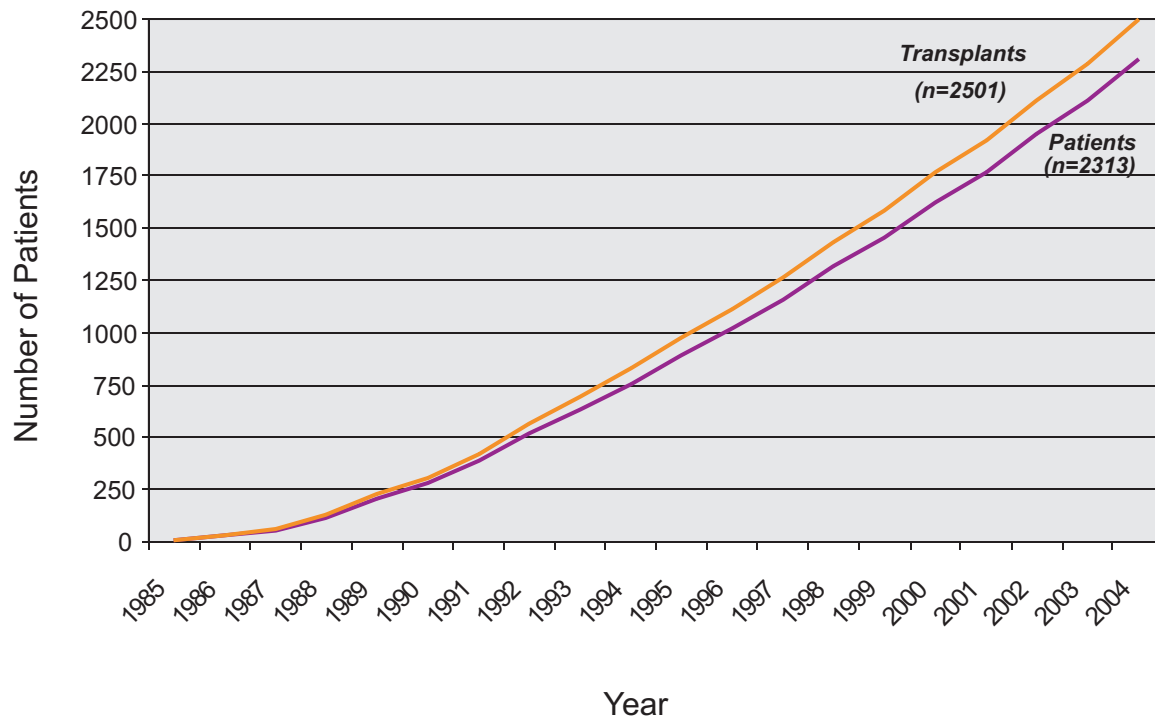
The members of the Management Committee are listed on the inside cover together with contact information of the Coordinating Centre for comments or requests for further copies of this Report.

Stephen Lynch  
Glenda Balderson

# Section 1

## Demographic Data

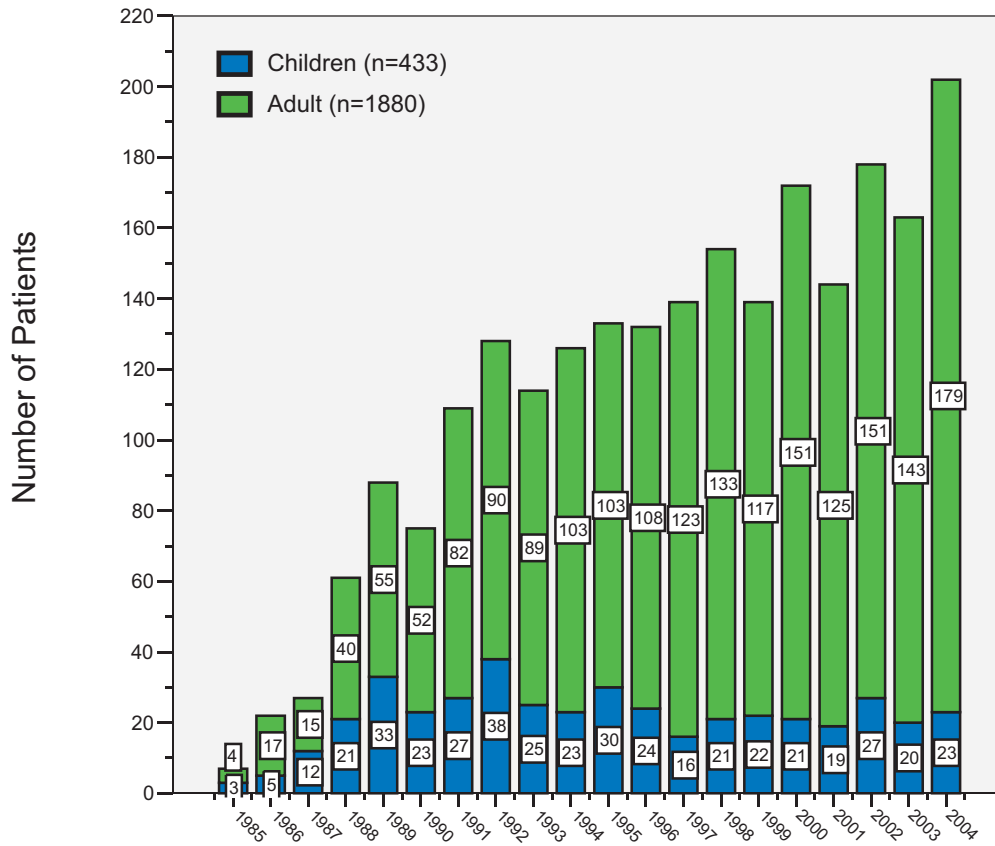




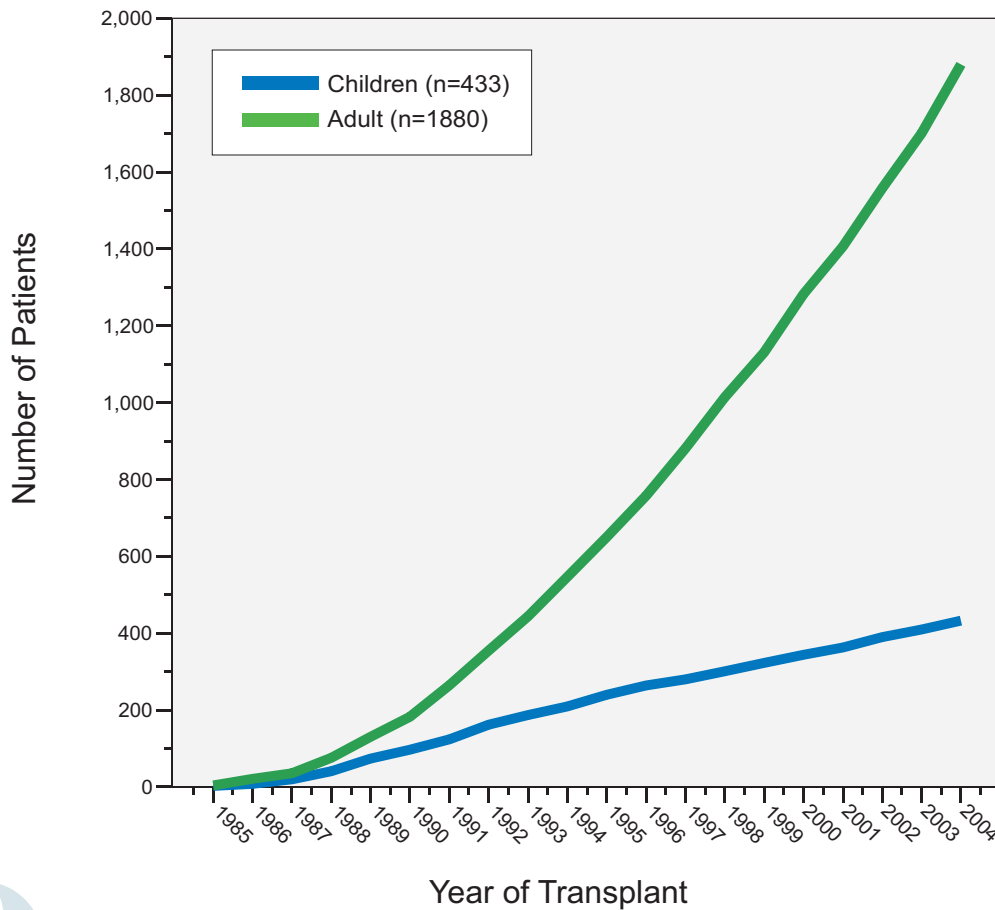
## Summary Statistics - Age and Gender

### ALL PATIENTS

	Children	Adults	Total
<b>Patients</b>	433	1880	2313
<b>Age</b>			
<i>Mean ± SD</i>	4.4 ± 4.2	46.6 ± 11.9	38.7 ± 19.8
<i>Median</i>	2.5y	48.4y	45.2y
<i>Range</i>	24d -14.9y	15.0 - 70.9y	24d - 70.9y
<b>Gender</b>			
<i>Female</i>	235 (54%)	721 (38%)	956 (41%)
<i>Male</i>	198 (46%)	1156 (62%)	1354 (59%)
<b>Surviving</b>	339 (78%)	1406 (75%)	1745 (75%)

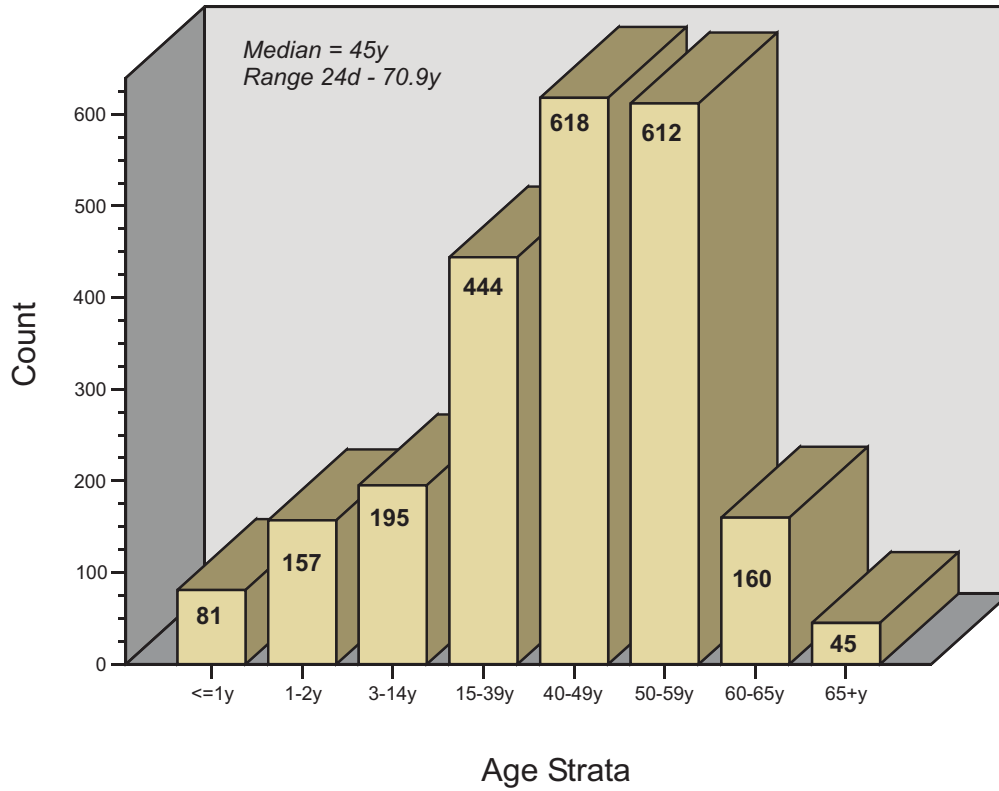


## Cumulative Number of New Patients

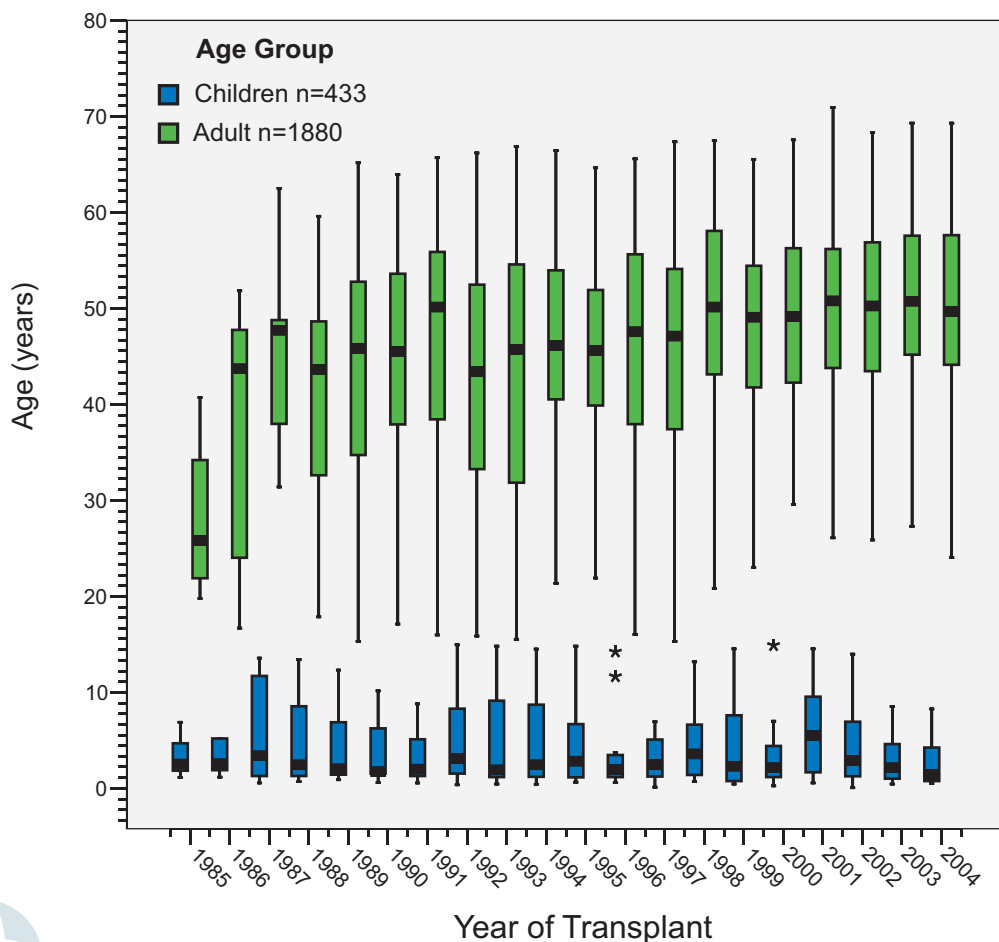


# Number of Recipients By Age at Primary Transplant

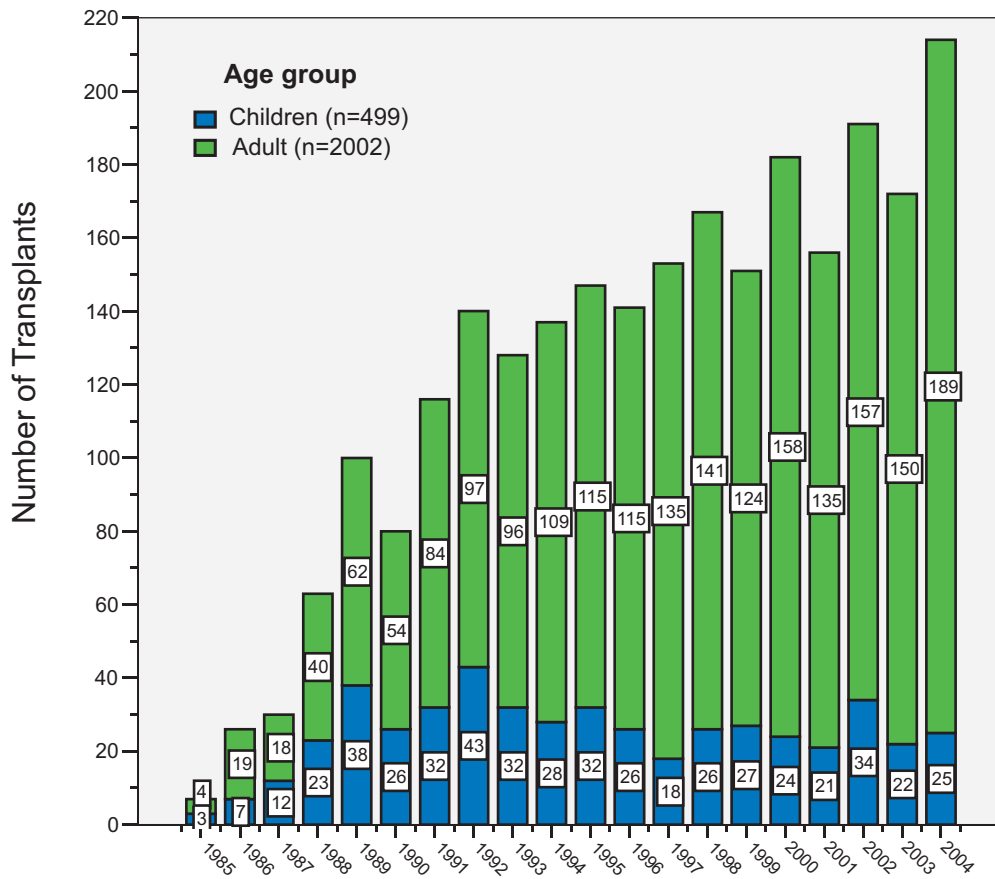
N=2313



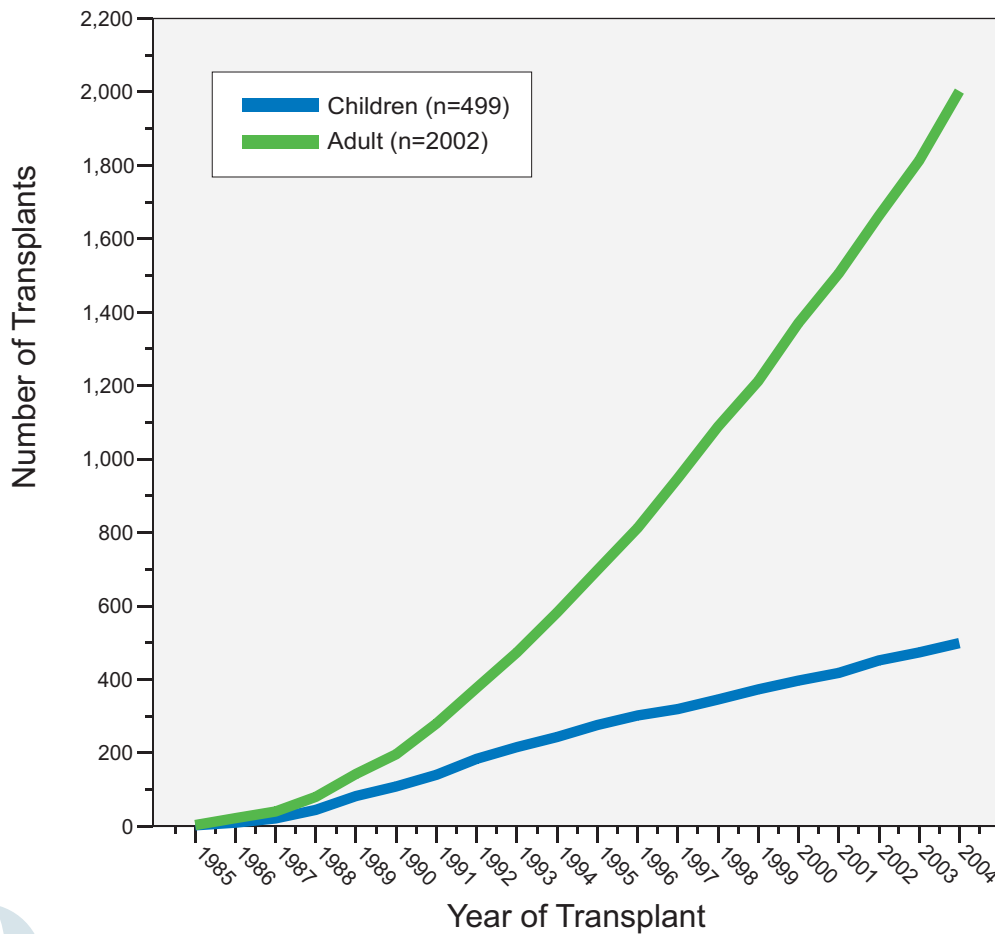
## Age at Primary Transplant by Year





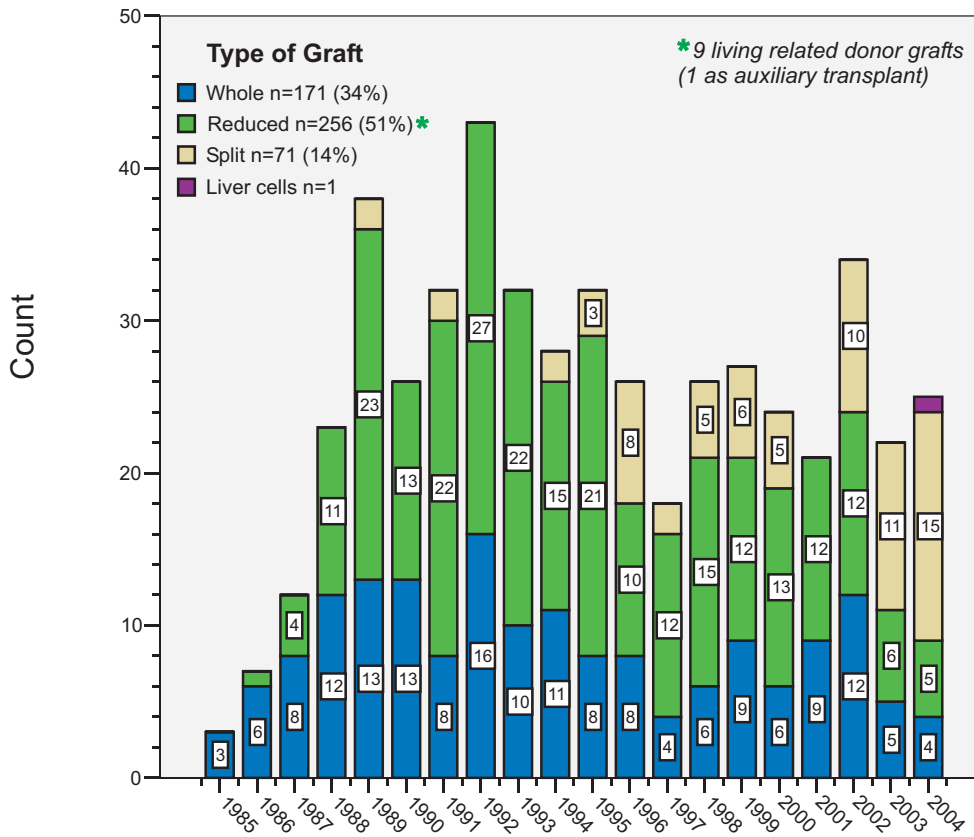


## Cumulative Number of Transplants

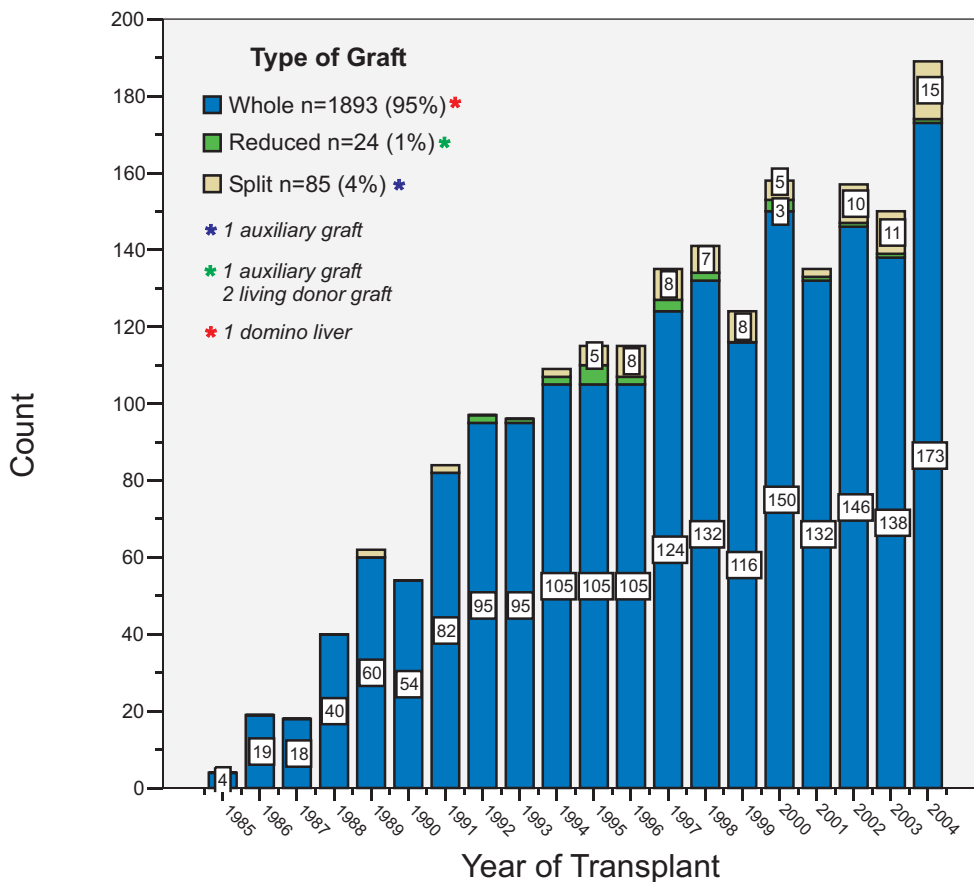


# Type of Graft by Year Split vs Reduced vs Whole

## Children (n = 499)



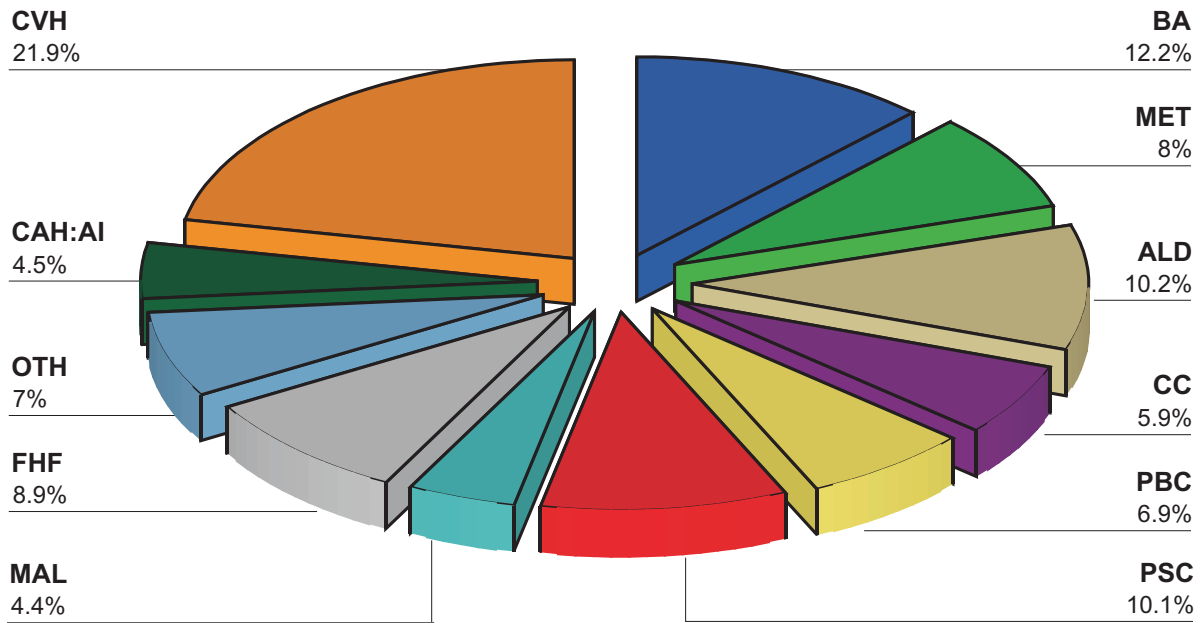
## Adults (n = 2002)



# Section 2

## Primary Diagnosis



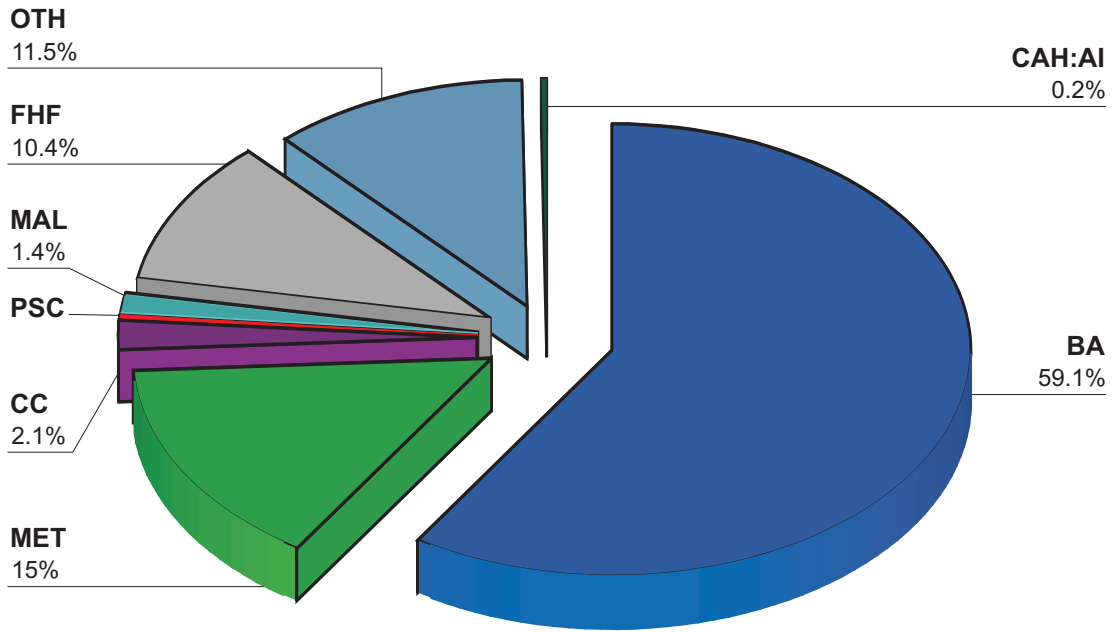


## Diagnosis Group

■ BA	- Biliary atresia
■ MET	- Metabolic diseases
■ ALD	- Alcoholic cirrhosis
■ CC	- Cryptogenic cirrhosis
■ PBC	- Primary biliary cirrhosis
■ PSC	- Primary sclerosing cholangitis
■ MAL	- Malignancy
■ FHF	- Fulminant hepatic failure
■ OTH	- Other diseases
■ CAH : AI	- Chronic active hepatitis [autoimmune]
■ CVH	- Chronic viral hepatitis

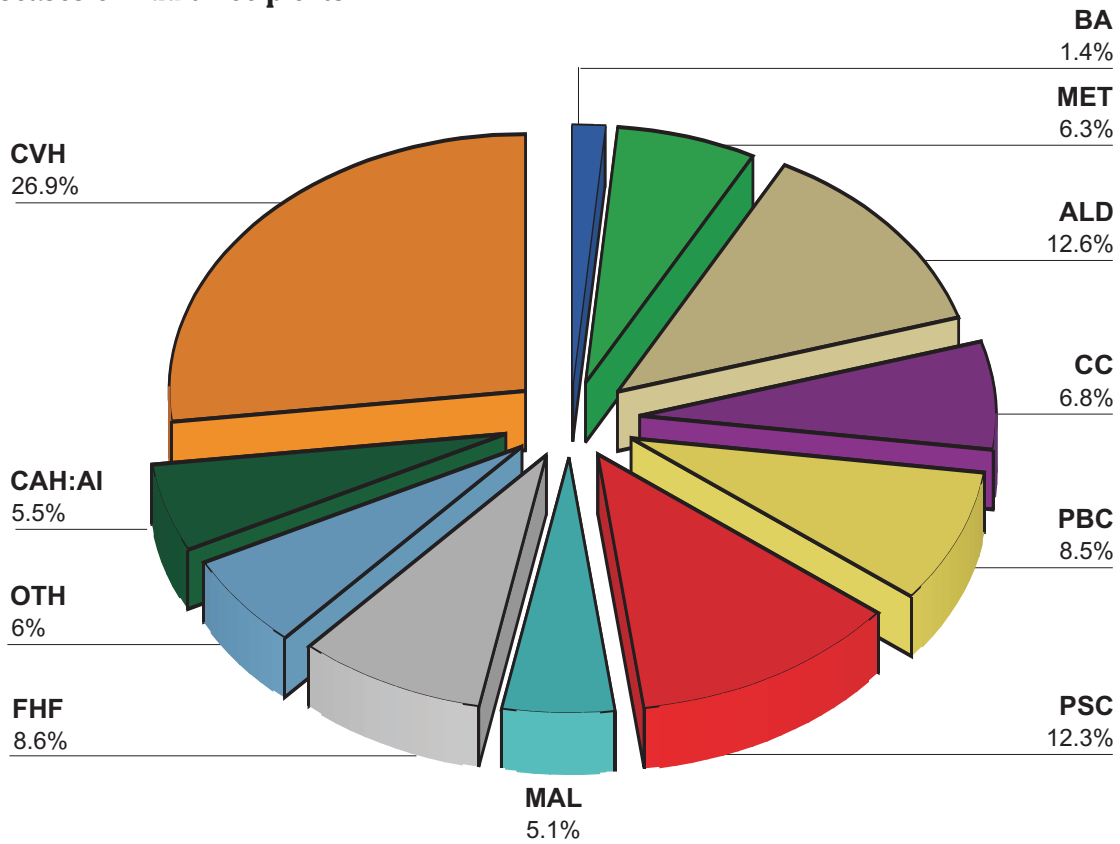
# Primary Diseases of Children

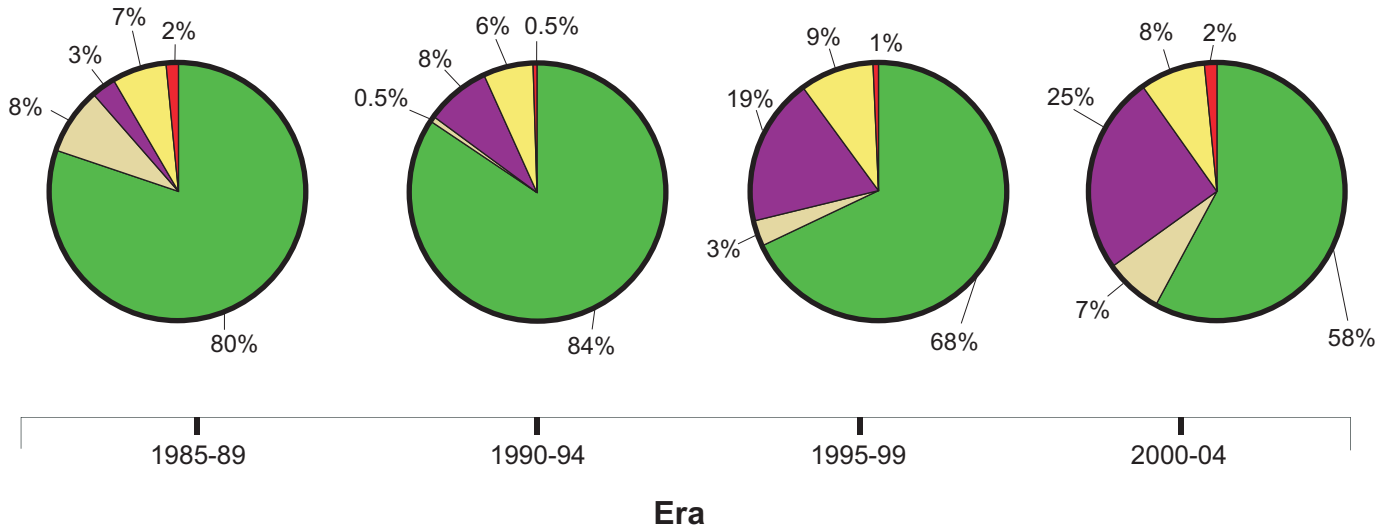
n = 433



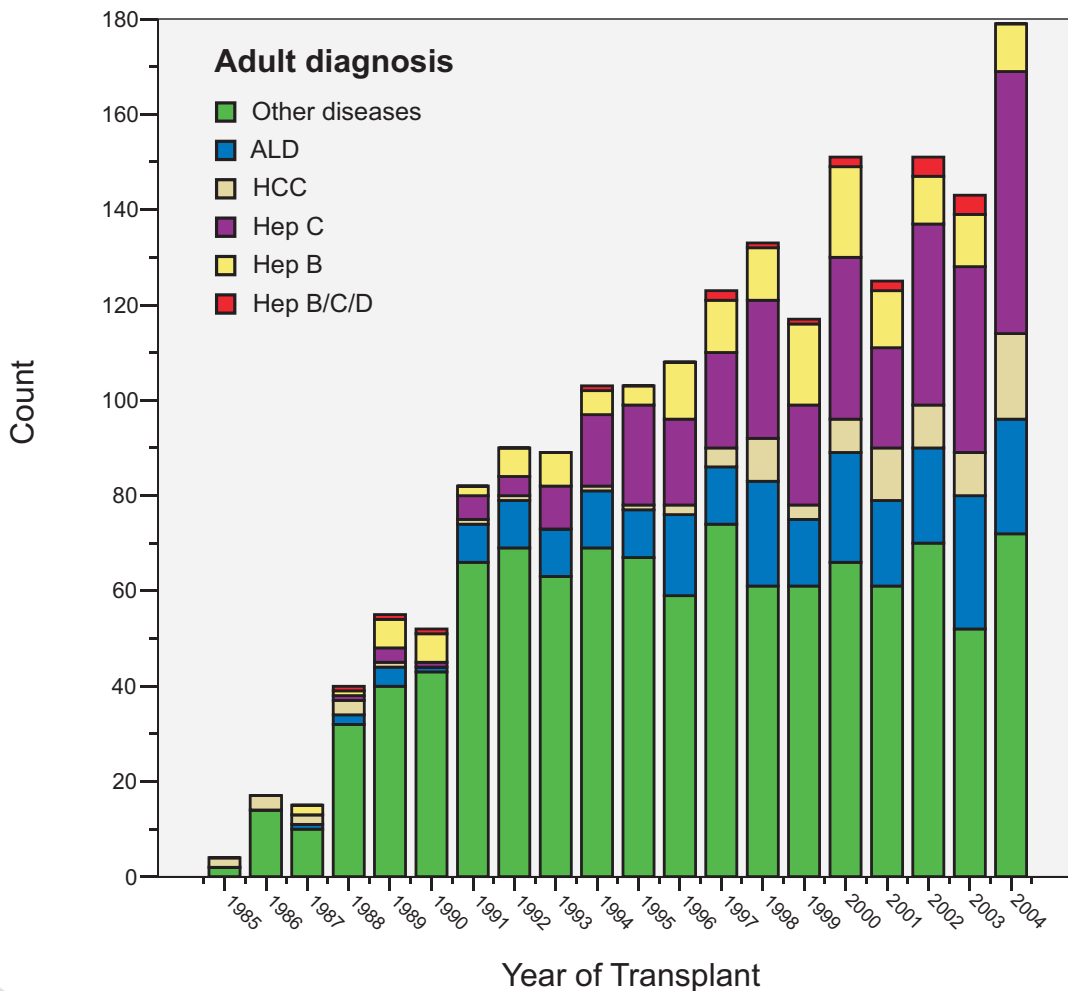
# Primary Diseases of Adult Recipients

n = 1880





## Adult Primary Diagnosis by Year



# Section 6

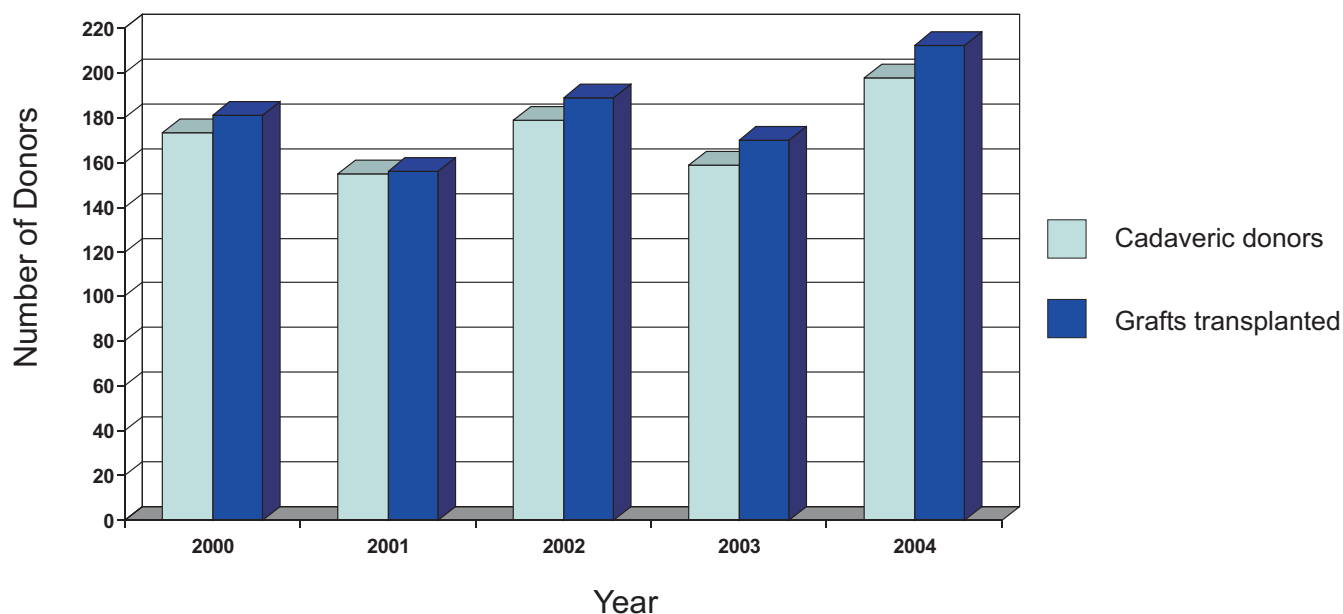
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## Donor Information



	QLD	NSW/ACT	VIC/TAS	SA/NT	WA	NZ	TOTAL
1990	22	27	16	5		7	77
1991	29	35	20	6	8	11	109
1992	43	32	18	9	8	24	134
1993	28	40	25	12	6	16	127
1994	29	39	23	12	10	21	134
1995	29	44	24	17	8	21	143
1996	26	37	19	17	10	24	133
1997	31	49	19	19	8	22	148
1998	29	44	27	22	13	27	162
1999	15	31	31	29	11	27	144
2000	26	51	26	24	12	34	173
2001	37	40	26	14	9	29	155
2002	34	42	38	24	11	30	179
2003	34	32/3	29/2	13	15	31	159
2004	30	49/4	35/1	26/1	17	35	198

## Grafts from cadaver donors





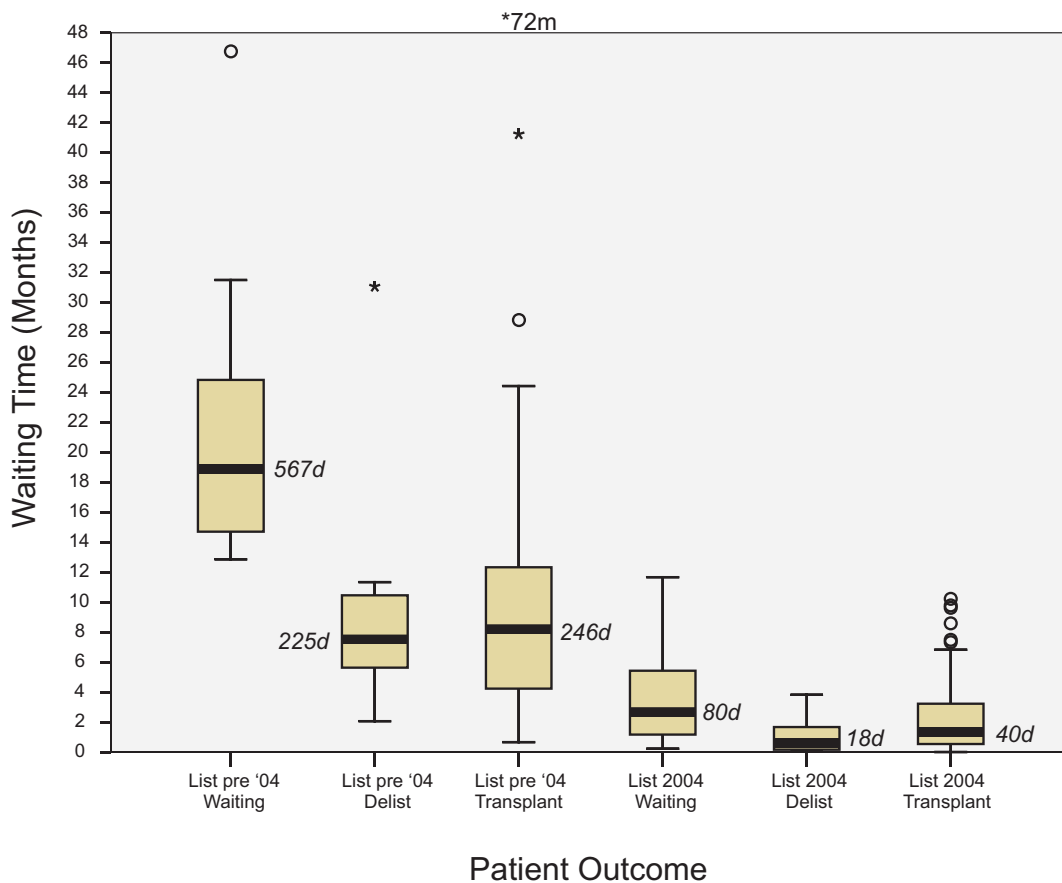
# Section 7

## Waiting List



	Listed Patients		
	@ 31/12/03	1/1/04 - 31/12/04	Total
<b>Transplanted @ 31/ 12/ 04</b>	<b>69 (75%)</b>	<b>145 (52%)</b>	<b>214 (58%)</b>
<b>Listed @ 31/ 12/04</b>	<b>9 (10%)</b>	<b>110 (39%)</b>	<b>119 (32%)</b>
<b>Delisted</b>	<b>14 (15%)</b>	<b>24 (8%)</b>	<b>38 (10%)</b>
Died on list	2	11	13
Too sick	2	6	8
Improved	3	3	6
Tumour progression	1	1	2
Other	6	3	9
<b>Total</b>	<b>92</b>	<b>279</b>	<b>371</b>

### Waiting Time by Outcome

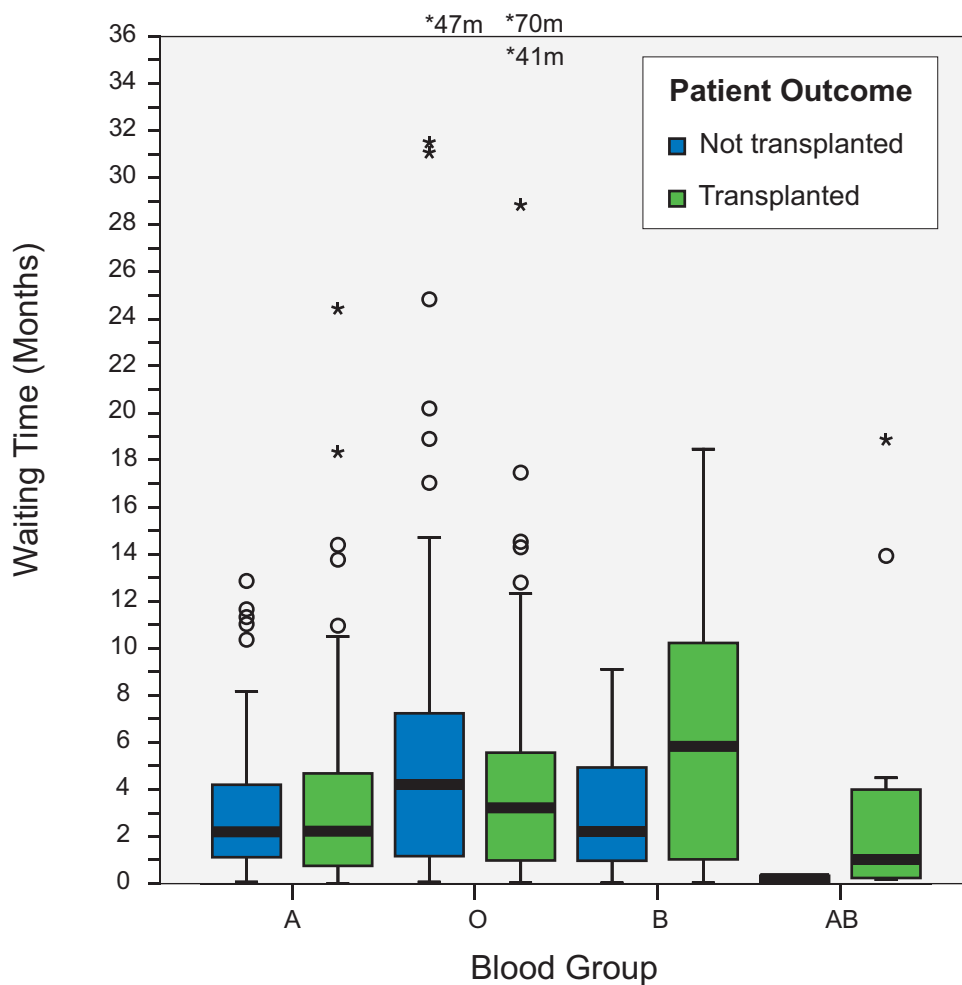


	Blood Group				
	A	O	B	AB	TOTAL
n=	134 (36%)*	169 (46%)	52 (14%)	15 (4%)	370
Not transplanted	51	81	22	2	156
Transplanted	83 (62%)**	88 (52%)	30 (58%)	13 (87%)	214

\* % of total number listed

\*\* % of blood group

## Waiting Time by Outcome & Blood Group



# Liver Transplant Units of Australia and New Zealand

Australian National Liver Transplant Unit  
Royal Prince Alfred Hospital  
Missenden Road  
CAMPERDOWN NSW 2050  
Email: [anltu@cs.nsw.gov.au](mailto:anltu@cs.nsw.gov.au)  
<http://www.cs.nsw.gov.au/Gastro/LiverTransplant/default.htm>

*and*

The New Children's Hospital  
Hawkesbury Road  
WESTMEAD NSW 2145

Liver Transplant Unit  
The Austin  
Studley Road  
HEIDELBERG VIC 3084

*and*

Royal Children's Hospital  
Flemington Road  
PARKVILLE VIC 3052

Queensland Liver Transplant Service  
Princess Alexandra Hospital  
Ipswich Road  
WOOLLOONGABBA QLD 4102

*and*

Royal Children's Hospital  
Bowen Bridge Road  
HERSTON QLD 4029

South Australian Liver Transplant Unit  
Flinders Medical Centre  
Flinders Drive  
BEDFORD PARK SA 5042  
[http://www.flinders.sa.gov.au/flinders\\_centre\\_for\\_digestive\\_health/](http://www.flinders.sa.gov.au/flinders_centre_for_digestive_health/)

WA Liver Transplantation Service  
Sir Charles Gardiner Hospital  
Verdun Street  
NEDLANDS WA 6009

New Zealand Liver Transplant Unit  
Auckland Public Hospital  
Park Road  
Auckland  
New Zealand  
[Http://www.nzliver.org/](http://www.nzliver.org/)

