

SOCIETY OF NEPHROLOGY, DIALYSIS AND TRANSPLANTATION OF THE BOSNIA AND HERZEGOVINA



THE RENAL REGISTRY OF BOSNIA AND HERZEGOVINA (ERA-EDTA Registry)

The Annual Report 2006

This report was prepared by
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Society of Nephrology, Dialysis and Transplantation of the Bosnia and Herzegovina

Statisticians

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The data reported here have been supplied by the Renal Registry Commission of the Society of Nephrology, Dialysis and Transplantation of the Bosnia and Herzegovina. The interpretation and reporting of these data are the responsibility of the authors.

Data from year 2006

Table B.1.1

General population of the country/region by age group and gender, and percent coverage of the general population in 2006

Country / Region name	General population in thousands							% Coverage of general population by the registry
	All	0-19	20-44	45-64	65-74	75+		
Bosnia-Herzegovina	Men	1.719	438	632	436	157	56	100,0
	Women	1.789	437	620	455	198	79	
	All	3.508	875	1.252	891	355	135	

Comments:

Data from year 2006

Table B.1.2

Renal centres: total number of centres and number collaborating

Country / Region name	Total number of renal centres	Number of renal centres collaborating with the registry
Bosnia-Herzegovina	25	25

Comments:

Comment for Table B.1.1 (cells for Comments in table B.1.1 is protect, why?):
There is no reliable data about actual number and structure of population in Bosnia and Herzegovina

Data from year 2006

Table B.2.1

Incident counts and incident rates per million population, unadjusted
at day 1

Country / Region name	All		Men		Women	
	N	Pmp	N	Pmp	N	Pmp
Bosnia-Herzegovina	531	151,4	302	175,7	229	128,0

Remarks:

- The general population data of all, men and women of Table B.1.1 are used to calculate the incident rates per million population for all, men and women, respectively. The "% Coverage of general population by the registry" is taken into account.

Comments:

Data from year 2006

Table B.2.2

Gender, mean and median age of incident patients
at day 1

Country / Region name	All				Men				Women			
	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)
Bosnia-Herzegovina	100	60,1	14,6	64,0	56,9	59,2	14,8	62,0	43,1	61,3	14,4	65,0

Remarks:

- Table B.2.1 is used for the calculation of the percentages.

Comments:

Data from year 2006
 Table B.2.3
 Incident rates per million population, adjusted
 at day 1, adjusted for age and gender

Country / Region name	All Pmp	Men Pmp	Women Pmp
Bosnia-Herzegovina	149,4	171,2	127,1

Remarks:

- If you enter the general population data of your country/region and the incidence counts at day 1 in the excel file "calculating_adjusted_inc_prev_pmp_for_2006_using_eu25_2000.xls", it will calculate the adjusted incident rate Pmp for you.
- Otherwise, the table below contains the general population of EU25 of year 2000 which should be used for the adjustment calculations. The excel file "calculating_adjusted_inc_prev_pmp_for_2006_using_eu25_2000.xls" gives an example how to calculate the for age and gender adjusted values. To calculate the adjusted values, please take into account the "% Coverage of general population by the registry" (see Table B.1.1).

Age groups	EU25 2000		
	All	Men	Women
0-4	23.830.063	12.224.553	11.605.510
5-9	25.729.616	13.188.241	12.541.375
10-14	27.517.226	14.106.544	13.410.682
15-19	28.763.312	14.728.986	14.034.326
20-24	29.984.717	15.266.239	14.718.478
25-29	32.295.539	16.395.067	15.900.472
30-34	34.688.026	17.602.837	17.085.189
35-39	35.182.505	17.775.606	17.406.899
40-44	33.041.437	16.568.690	16.472.747
45-49	31.092.132	15.479.466	15.612.666
50-54	29.484.450	14.622.372	14.862.078
55-59	24.657.433	12.082.582	12.574.851
60-64	24.009.634	11.483.533	12.526.101
65-69	21.433.665	9.871.066	11.562.599
70-74	18.946.731	8.140.808	10.805.923
75-79	15.178.807	5.793.449	9.385.358
80-84	7.842.689	2.695.472	5.147.217
85-∞	7.981.974	2.204.225	5.777.749
Total	451.659.956	220.229.736	231.430.220

Comments:

Data from year 2006

Table B.2.4

Incident rates per million population and percentage, unadjusted
at day 1, by cause of renal failure

Country / Region name	Total	GN	PN	PKD	Type I	DM Type II	Both	HT	RVD	Misc	Unkn	Missing
	N	N	N	N	N	N	N	N	N	N	N	N
Bosnia-Herzegovina	531	44	78	13	103	7	110	26	3	133	78	46

Country / Region name	Total		GN		PN		PKD		Type I		DM Type II		Both		HT		RVD		Misc		Unkn		Missing	
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Bosnia-Herzegovina	151,4	100	12,5	8,3	22,2	14,7	3,7	2,4	29,4	19,4	2,0	1,3	31,4	20,7	7,4	4,9	0,9	0,6	37,9	25,0	22,2	14,7	13,1	8,7

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown

Remarks:

- The values "Total N" and "Total Pmp" are copied from Table B.2.1.
- Please, fill in "0" when the count ="0". Only leave a box empty (grey) when the data are unavailable.

Comments:

Data from year 2006

Table B.3.1

Incident counts and incident rates per million population, unadjusted
at day 91

Country / Region name	All		Men		Women	
	N	Pmp	N	Pmp	N	Pmp
Bosnia-Herzegovina	324	92,4	175	101,8	149	83,3

Remarks:

- The general population data of all, men and women of Table B.1.1 are used to calculate the incident rates per million population for all, men and women, respectively. The "% Coverage of general population by the registry" is taken into account.

Comments:

Data from year 2006

Table B.3.2

Gender, mean and median age of incident patients
at day 91

Country / Region name	All				Men				Women			
	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)
Bosnia-Herzegovina	100	60,3	14,2	64,0	54,0	59,2	13,8	61,0	46,0	61,7	14,5	66,0

Remarks:

- Table B.3.1 is used for the calculation of the percentages.

Comments:

Data from year 2006
 Table B.3.3
 Incident rates per million population, adjusted
 at day 91, adjusted for age and gender

Country / Region name	All Pmp	Men Pmp	Women Pmp
Bosnia-Herzegovina	94,0	102,2	86,1

Remarks:

- If you enter the general population data of your country/region and the incidence counts at day 91 in the excel file "calculating_adjusted_inc_prev_pmp_for_2006_using_eu25_2000.xls", it will calculate the adjusted incident rate Pmp for you.
- Otherwise, the table below contains the general population of EU25 of year 2000 which should be used for the adjustment calculations. The excel file "calculating_adjusted_inc_prev_pmp_for_2006_using_eu25_2000.xls" gives an example how to calculate the for age and gender adjusted values. To calculate the adjusted values, please take into account the "% Coverage of general population by the registry" (see Table B.1.1).

Age groups	EU25 2000		
	All	Men	Women
0-4	23.830.063	12.224.553	11.605.510
5-9	25.729.616	13.188.241	12.541.375
10-14	27.517.226	14.106.544	13.410.682
15-19	28.763.312	14.728.986	14.034.326
20-24	29.984.717	15.266.239	14.718.478
25-29	32.295.539	16.395.067	15.900.472
30-34	34.688.026	17.602.837	17.085.189
35-39	35.182.505	17.775.606	17.406.899
40-44	33.041.437	16.568.690	16.472.747
45-49	31.092.132	15.479.466	15.612.666
50-54	29.484.450	14.622.372	14.862.078
55-59	24.657.433	12.082.582	12.574.851
60-64	24.009.634	11.483.533	12.526.101
65-69	21.433.665	9.871.066	11.562.599
70-74	18.946.731	8.140.808	10.805.923
75-79	15.178.807	5.793.449	9.385.358
80-84	7.842.689	2.695.472	5.147.217
85-∞	7.981.974	2.204.225	5.777.749
Total	451.659.956	220.229.736	231.430.220

Comments:

Data from year 2006

Table B.3.4

Incident rates per million population and percentage, unadjusted
at day 91, by cause of renal failure

Country / Region name	Total	GN	PN	PKD	Type I	DM Type II	Both	HT	RVD	Misc	Unkn	Missing
	N	N	N	N	N	N	N	N	N	N	N	N
Bosnia-Herzegovina	324	26	53	8	74	3	77	21	3	78	49	9

Country / Region name	Total		GN		PN		PKD		Type I		DM Type II		Both		HT		RVD		Misc		Unkn		Missing	
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Bosnia-Herzegovina	92,4	100	7,4	8,0	15,1	16,4	2,3	2,5	21,1	22,8	0,9	0,9	21,9	23,8	6,0	6,5	0,9	0,9	22,2	24,1	14,0	15,1	2,6	2,8

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown

Remarks:

- The values "Total N" and "Total Pmp" are copied from Table B.3.1.
- Please, fill in "0" when the count = "0". Only leave a box empty (grey) when the data are unavailable.

Comments:

Data from year 2006

Table B.3.5

Incident counts

at day 91, by established therapy

Country / Region name	Total N	HD hospital / centre N	HD home N	Haemodialysis		HDF N	Total HD / HF / HDF N	APD N	Peritoneal Dialysis		Total PD N	Living N	Transplant		Total Tx N	Missing N
				HD type Unkn N	HF N				CAPD N	PD type Unkn N			Cadaver N	Tx type Unkn N		
Bosnia-Herzegovina	324	282	0	0	29	1	312	0	12	0	12	0	0	0	0	0

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant

Table B.3.6

Incident rates per million population, unadjusted

at day 91, by established therapy

Country / Region name	Total Pmp	HD hospital / centre Pmp	HD home Pmp	Haemodialysis		HDF Pmp	Total HD / HF / HDF Pmp	APD Pmp	Peritoneal Dialysis		Total PD Pmp	Living Pmp	Transplant		Total Tx Pmp	Missing Pmp
				HD type Unkn Pmp	HF Pmp				CAPD Pmp	PD type Unkn Pmp			Cadaver Pmp	Tx type Unkn Pmp		
Bosnia-Herzegovina	92,4	80,4	0,0	0,0	8,3	0,3	88,9	0,0	3,4	0,0	3,4	0,0	0,0	0,0	0,0	0,0

Table B.3.7

Percentage of established therapy, unadjusted

at day 91

Country / Region name	Total %	HD hospital / centre %	HD home %	Haemodialysis		HDF %	Total HD / HF / HDF %	APD %	Peritoneal Dialysis		Total PD %	Living %	Transplant		Total Tx %	Missing %
				HD type Unkn %	HF %				CAPD %	PD type Unkn %			Cadaver %	Tx type Unkn %		
Bosnia-Herzegovina	100	87,0	0,0	0,0	9,0	0,3	96,3	0,0	3,7	0,0	3,7	0,0	0,0	0,0	0,0	0,0

Remarks:

- The values "Total N" and "Total Pmp" are copied from Table B.3.1.
- Please, fill in "0" when the count ="0". Only leave a box empty (grey) when the data are unavailable.

Comments:

Data from year 2006

Table B.4.1

Prevalent counts and prevalence per million population, unadjusted
prevalent patients on December 31

Country / Region name	All		Men		Women	
	N	Pmp	N	Pmp	N	Pmp
Bosnia-Herzegovina	2117	603,5	1175	683,5	942	526,6

Remarks:

- The general population data of all, men and women of Table B.1.1 are used to calculate the prevalence per million population for all, men and women, respectively.
The "% Coverage of general population by the registry" is taken into account.

Comments:

Data from year 2006
 Table B.4.2
 Gender, mean and median age
 prevalent patients on December 31

Country / Region name	All				Men				Women			
	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)	%	Mean (years)	SD	Median (years)
Bosnia-Herzegovina	100	56,9	14,0	58,0	55,5	55,9	14,0	56,0	44,5	58,1	14,0	60,0

Remarks:

- Table B.4.1 is used for the calculation of the percentages.

Comments:

Data from year 2006
 Table B.4.3
 Prevalence per million population, adjusted
prevalent patients on December 31, adjusted for age and gender

Country / Region name	All Pmp	Men Pmp	Women Pmp
Bosnia-Herzegovina	570,5	633,3	510,2

Remarks:

- If you enter the general population data of your country/region and the prevalent counts in the excel file "[calculating_adjusted_inc_prev_pmp_for_2006_using_eu25_2000.xls](#)", it will calculate the adjusted prevalence Pmp for you.
- Otherwise, the table below contains the general population of EU25 of year 2000 which should be used for the adjustment calculations. The excel file "[calculating_adjusted_inc_prev_pmp_for_2006_using_eu25_2000.xls](#)" gives an example how to calculate the for age and gender adjusted values. To calculate the adjusted values, please take into account the "% Coverage of general population by the registry" (see Table B.1.1).

Age groups	EU25 2000		
	All	Men	Women
0-4	23.830.063	12.224.553	11.605.510
5-9	25.729.616	13.188.241	12.541.375
10-14	27.517.226	14.106.544	13.410.682
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50-54	29.484.450	14.622.372	14.862.078
55-59	24.657.433	12.082.582	12.574.851
60-64	24.009.634	11.483.533	12.526.101
65-69	21.433.665	9.871.066	11.562.599
70-74	18.946.731	8.140.808	10.805.923
75-79	15.178.807	5.793.449	9.385.358
80-84	7.842.689	2.695.472	5.147.217
85-∞	7.981.974	2.204.225	5.777.749
Total	451.659.956	220.229.736	231.430.220

Comments:

Data from year 2006

Table B.4.4

Prevalence per million population and percentage, unadjusted
prevalent patients on December 31, by cause of renal failure

Country / Region name	Total		GN		PN		PKD		Type I		DM Type II		Both		HT		RVD		Misc		Unkn		Missing	
	N		N		N		N		N		N		N		N		N		N		N		N	
Bosnia-Herzegovina	2117		417		353		116		248		10		258		105		11		483		239		135	

Country / Region name	Total		GN		PN		PKD		Type I		DM Type II		Both		HT		RVD		Misc		Unkn		Missing	
	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%	Pmp	%
Bosnia-Herzegovina	603,5	100	118,9	19,7	100,6	16,7	33,1	5,5	70,7	11,7	2,9	0,5	73,5	12,2	29,9	5,0	3,1	0,5	137,7	22,8	68,1	11,3	38,5	6,4

Abbreviations used: GN: glomerulonephritis/sclerosis; PN: pyelonephritis; PKD: polycystic kidneys, adult type; DM: diabetes mellitus; HT: hypertension; RVD: renal vascular disease; Misc: miscellaneous; Unkn: unknown

Remarks:

- The values "Total N" and "Total Pmp" are copied from Table B.4.1.
- Please, fill in "0" when the count ="0". Only leave a box empty (grey) when the data are unavailable.

Comments:

Data from year 2006

Table B.4.5

Prevalence counts

prevalent patients on December 31, by established therapy

Country / Region name	Total N	HD hospital / centre N	HD home N	Haemodialysis		HDF N	Total HD / HF / HDF N	APD N	Peritoneal Dialysis		Total PD N	Living N	Transplant		Total Tx N	Missing N
				HD type Unkn N	HF N				CAPD N	PD type Unkn N			Cadaver N	Tx type Unkn N		
Bosnia-Herzegovina	2117	1779	0	0	0	10	1789	1	84	1	86	90	14	16	120	122

Abbreviations used: HD: haemodialysis; Unkn: unknown; HF: haemofiltration; HDF: haemodiafiltration; APD: automated peritoneal dialysis; CAPD: continuous ambulatory peritoneal dialysis; PD: peritoneal dialysis; Tx: transplant

Table B.4.6

Prevalence per million population, unadjusted

prevalent patients on December 31, by established therapy

Country / Region name	Total Pmp	HD hospital / centre Pmp	HD home Pmp	Haemodialysis		HDF Pmp	Total HD / HF / HDF Pmp	APD Pmp	Peritoneal Dialysis		Total PD Pmp	Living Pmp	Transplant		Total Tx Pmp	Missing Pmp
				HD type Unkn Pmp	HF Pmp				CAPD Pmp	PD type Unkn Pmp			Cadaver Pmp	Tx type Unkn Pmp		
Bosnia-Herzegovina	603,5	507,1	0,0	0,0	0,0	2,9	510,0	0,3	23,9	0,3	24,5	25,7	4,0	4,6	34,2	34,8

Table B.4.7

Percentage of established therapy, unadjusted

prevalent patients on December 31

Country / Region name	Total %	HD hospital / centre %	HD home %	Haemodialysis		HDF %	Total HD / HF / HDF %	APD %	Peritoneal Dialysis		Total PD %	Living %	Transplant		Total Tx %	Missing %
				HD type Unkn %	HF %				CAPD %	PD type Unkn %			Cadaver %	Tx type Unkn %		
Bosnia-Herzegovina	100	84,0	0,0	0,0	0,0	0,5	84,5	0,0	4,0	0,0	4,1	4,3	0,7	0,8	5,7	5,8

Remarks:

- The values "Total N" and "Total Pmp" are copied from Table B.4.1.
- Please, fill in "0" when the count ="0". Only leave a box empty (grey) when the data are unavailable.

Comments:

Data from year 2006

Table B.4.8

Renal transplants performed in 2006, number and percentage

by donor type

Country / Region name	Total		Related		Unrelated		Living		Type Unkn		All		Cadaver		Donor type Unkn	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Bosnia-Herzegovina	12	100	5	41,7	3	25,0	0	0,0	8	66,7	4	33,3	0	0,0		

Table B.4.9

Renal transplants performed in 2006, per million population

by donor type

Country / Region name	Total	Related	Unrelated	Living	Type Unkn	All	Cadaver	Donor type Unkn
	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp	Pmp
Bosnia-Herzegovina	3,4	1,4	0,9	0,0	2,3	1,1	0,0	

Remarks:

- Please, fill in "0" when the count ="0". Only leave a box empty (grey) when the data are unavailable.
- The general population data of all patients of Table B.1.1 are used to calculate the number of renal transplants per million population. The "% Coverage of general population by the registry" is taken into account.

Comments:

Thank you very much for completing the tables.

We would like to mention a maximum of 3 names in the 'Acknowledgements' of the Annual Report of the ERA-EDTA Registry.
Can you please write the names below.

#	Acknowledgement (maximum of 3 persons)
1	Doc. Dr. H. Resic, Centre for Hemod. of the University Clin. Centre Sarajevo
2	Prof. Dr. E. Mesic, Centre for Hemod. of the University Clin. Centre Tuzla
3	A. Hukeljic, Renal Registry statistics of Bosnia and Herzegovina