

Romanian Renal Registry: 2014 Preliminary Annual Report



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Carmen Denise Căldăraru
Adrian-Bogdan Ghigolea
Oana Sklerniacof

Thanks !

Persons in charge with reporting to RRR

Cati Aursăchioaie
Gaspar Balazs
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Mariana Becheanu
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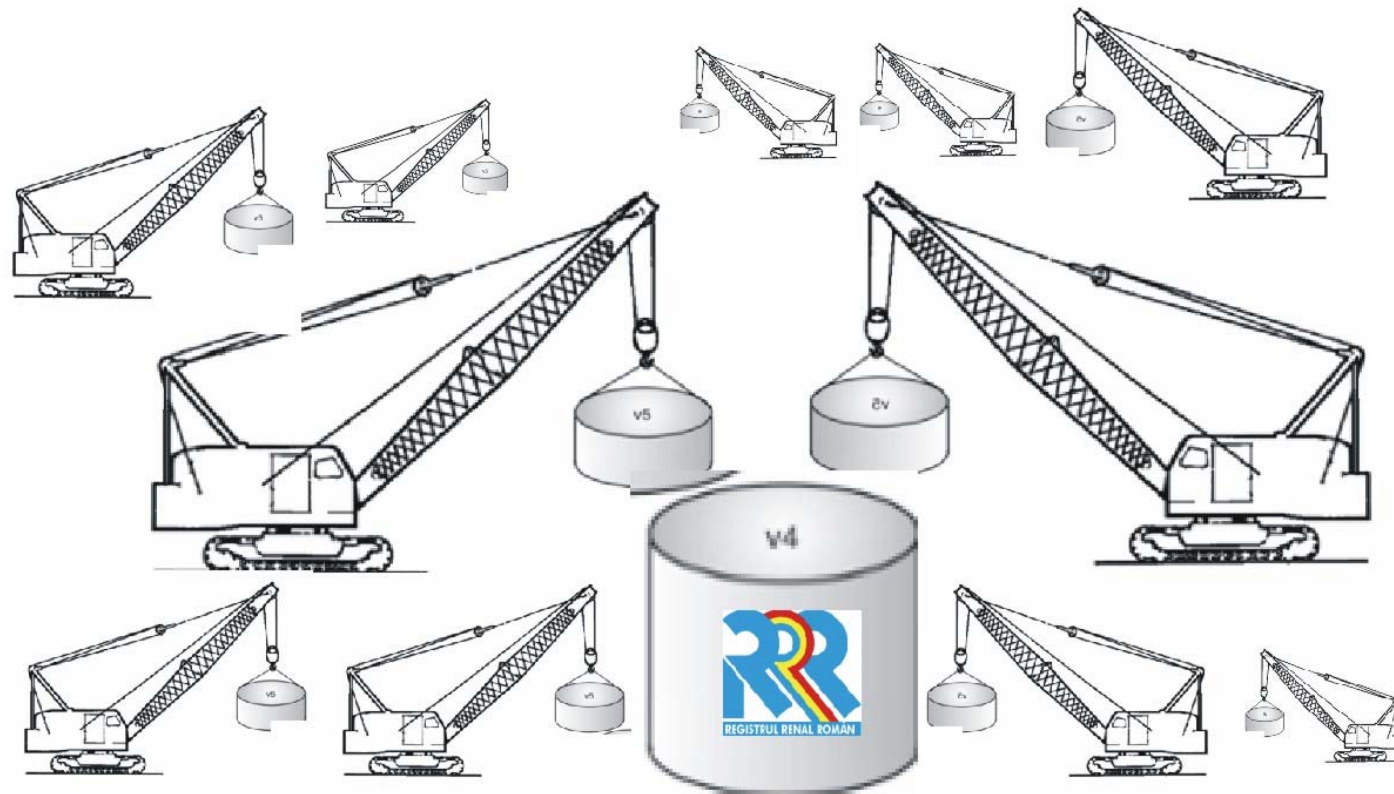
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Andreea Boţan

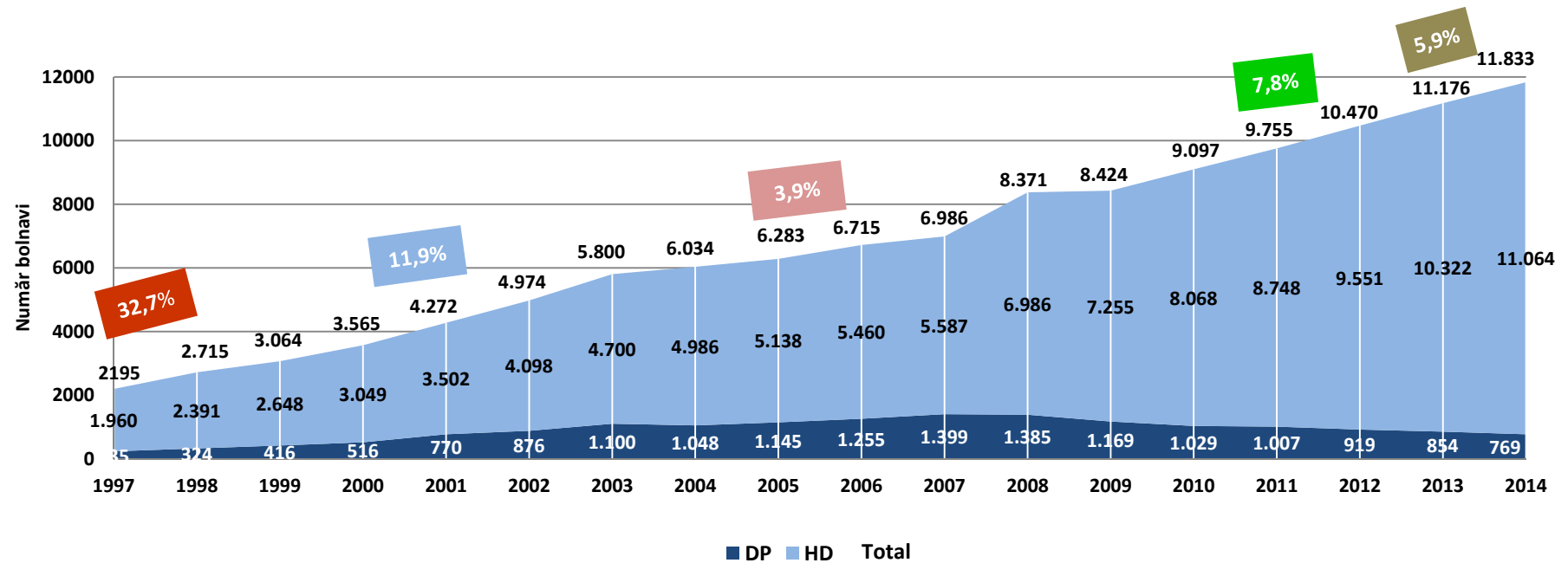
Thanks!

Data collection

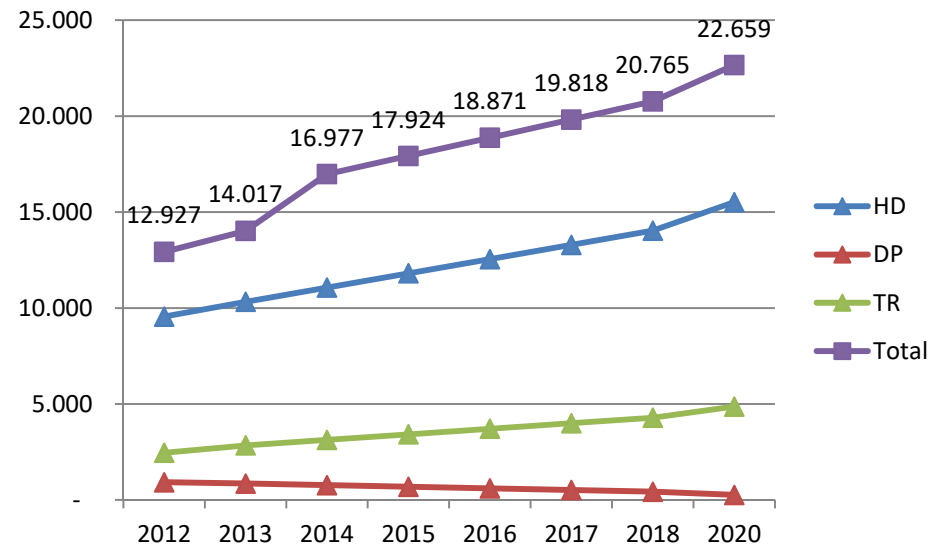


- Patients treated by Renal Replacement Therapy

Prevalent Dialysis Patients: 1995-2014

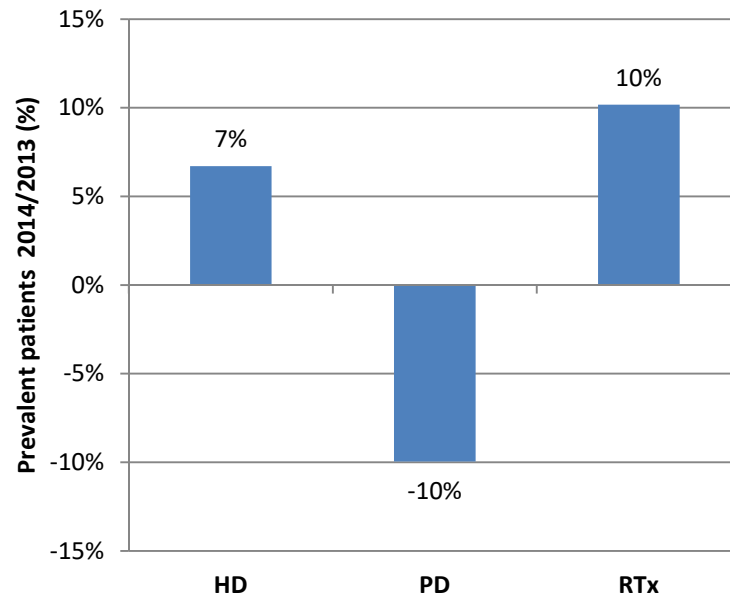


Prevalent Dialysis Patients: Distribution by RRT modality 2012-2014 and trends

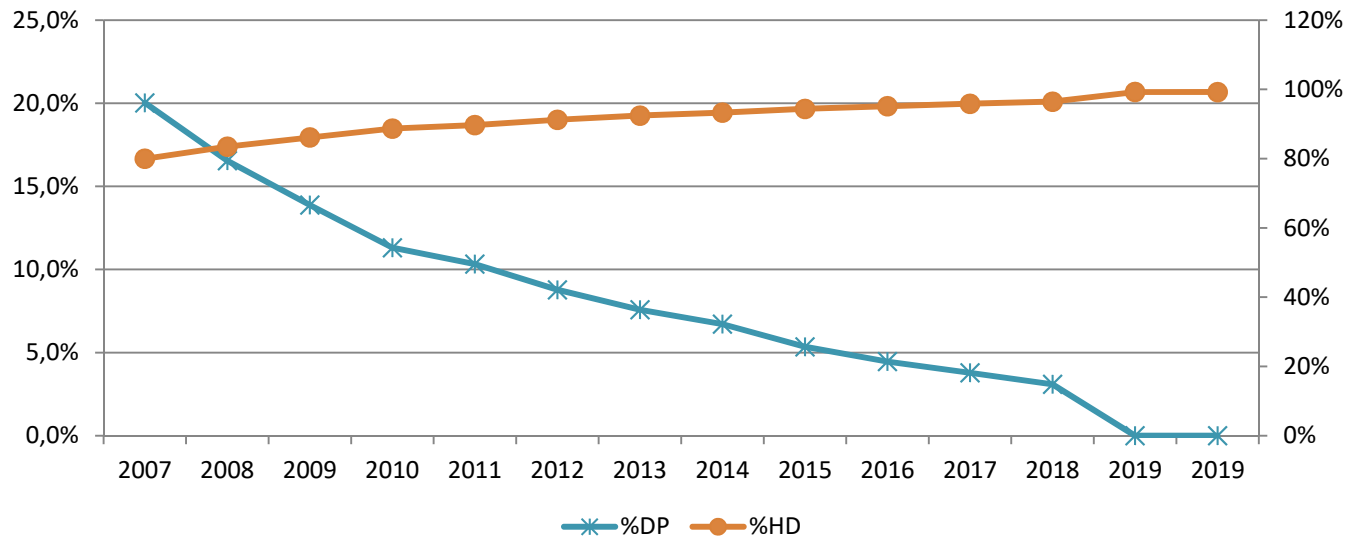


	2012	2013	2014	2015	2016	2017	2018	2020
HD	9,551	10,322	11,064	11,806	12,548	13,290	14,032	15,516
PD	919	854	769	684	599	514	429	259
RTx	2,457	2,723	3,021	3,319	3,617	39,15	4,213	4,809
Total	12,927	13,899	16,868	17,824	187,80	19,736	20,692	226,04

Prevalent Dialysis Patients by method: 2014 versus 2013

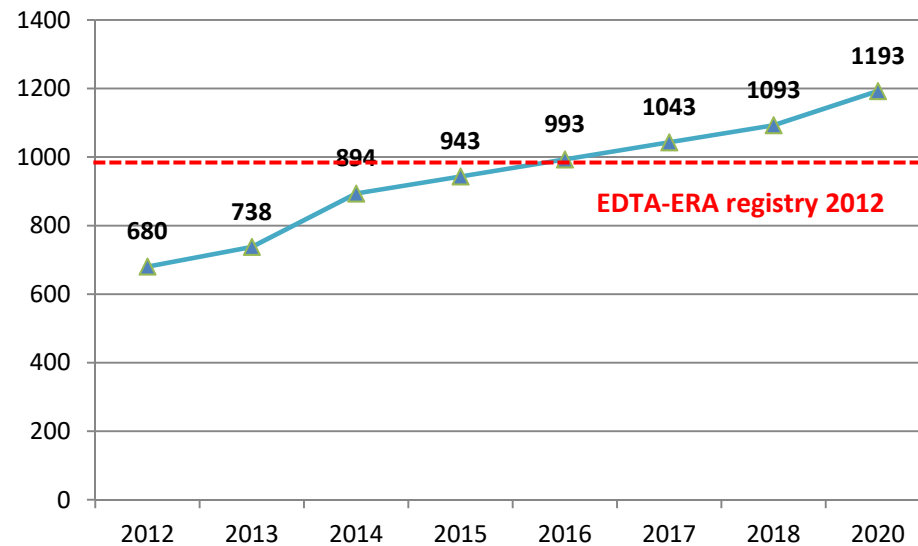


Prevalent Dialysis Patients: Trends in HD versus PD ratio



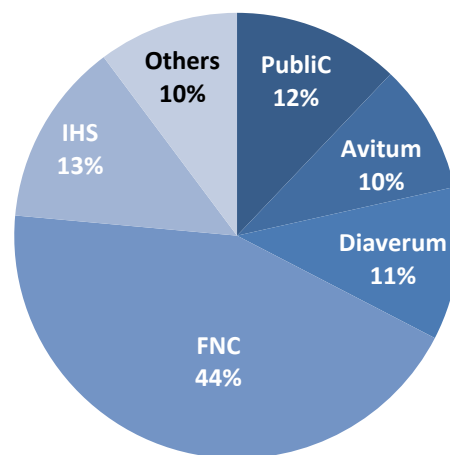
Prevalent dialysis patients by dialysis method (2012-2014) and trends towards 2020

Romanian RRT prevalent patients: Trends



- RRT coverage of Romanian population approaches the European average, that it shall reach in 2016.

Dialysis Centers in Romania Ownership



Dialysis centers at 31.12.2014: ownership (n=138)

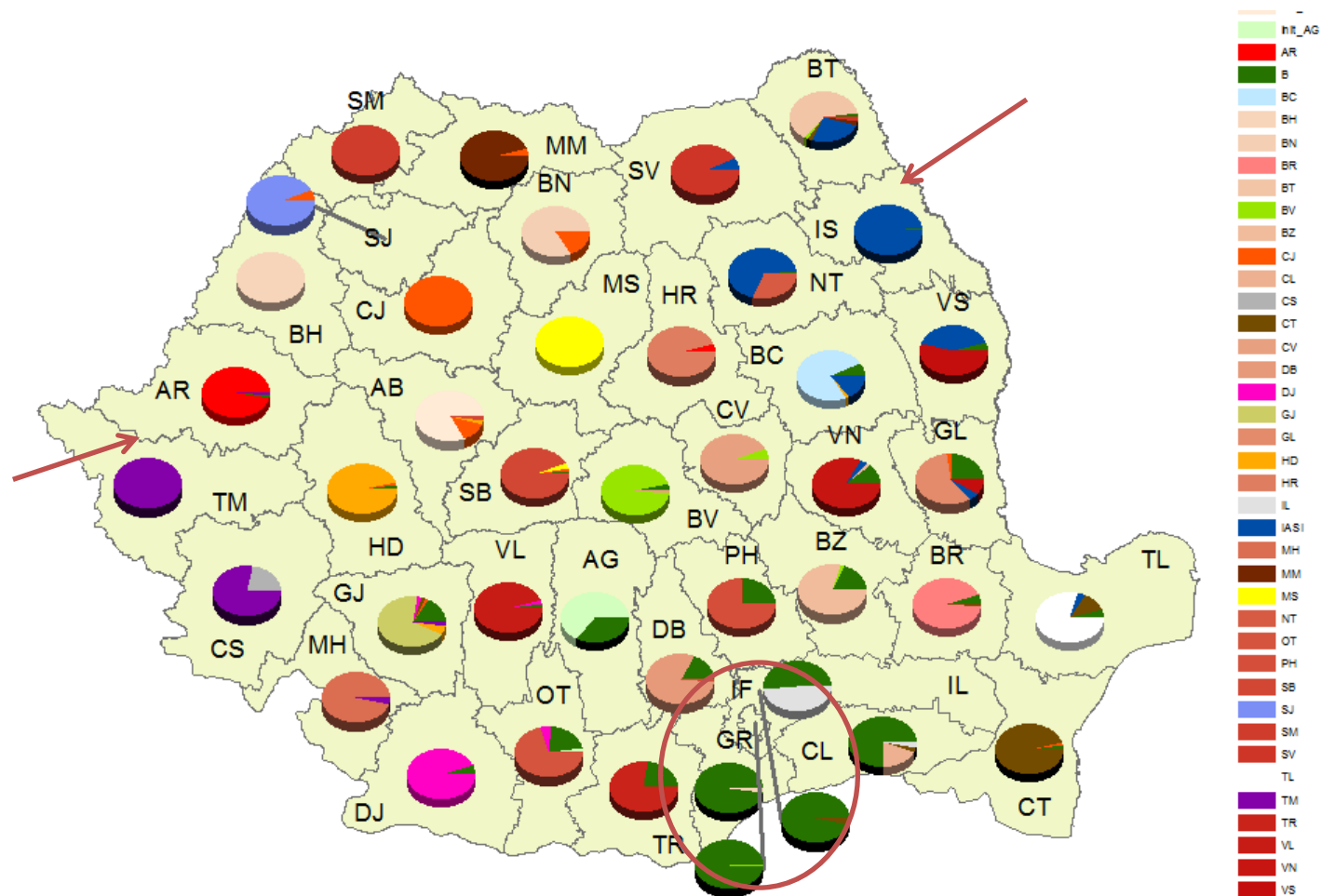
Incident Patients Characteristics

	2007	2008	2009	2010	2011	2012	2013	2014
Incident Patients Day 1								
Number	1930	2070	2420	2680	3160	3610	3060	3200
Gender (M%)	58.8	57.8	57.7	57.5	57.6	57.8	56.7	57.7
Median age (years)	58.1	58.3	60.5	61.2	62.0	62.6	62.6	63.4
≥ 65 years (%)	34.0	37.0	39.0	39.0	41.0	43.0	43.5	45.0
Primary Kidney Disease								
Glomerular Nephropathies(%)	17.1	16.2	13.5	13.9	13.6	13.7	13.5	12.2
Interstitial nephropathies (%)	12.4	11.5	11.4	11.2	11.3	11.3	11.1	11.2
Hereditary – congenital KD (%)	5.7	5.8	5.1	4.6	5.3	6.6	5.7	6.9
Diabetes (%)	11.7	19.9	18.7	13.3	14.8	15.7	16.8	17.1
Vascular KD (%)	6.5	11.8	6.2	6.3	14.5	15.4	18.4	18.7
Others (%)	15.5	9.4	6.4	7.4	5.5	6.4	6.4	6.8
Unknown (%)	31.1	25.4	38.7	43.3	35.0	30.9	28.1	27.1
Initial RRT Method								
HD (%)	81.3	80.5	82.1	92.8	88.6	90.2	88.5	89.8
PD (%)	17.5	17.7	16.1	6.5	5.8	4.8	3.5	2.4
RTx (%)	1.2	1.8	1.8	0.7	5.5	5.0	8.0	7.8

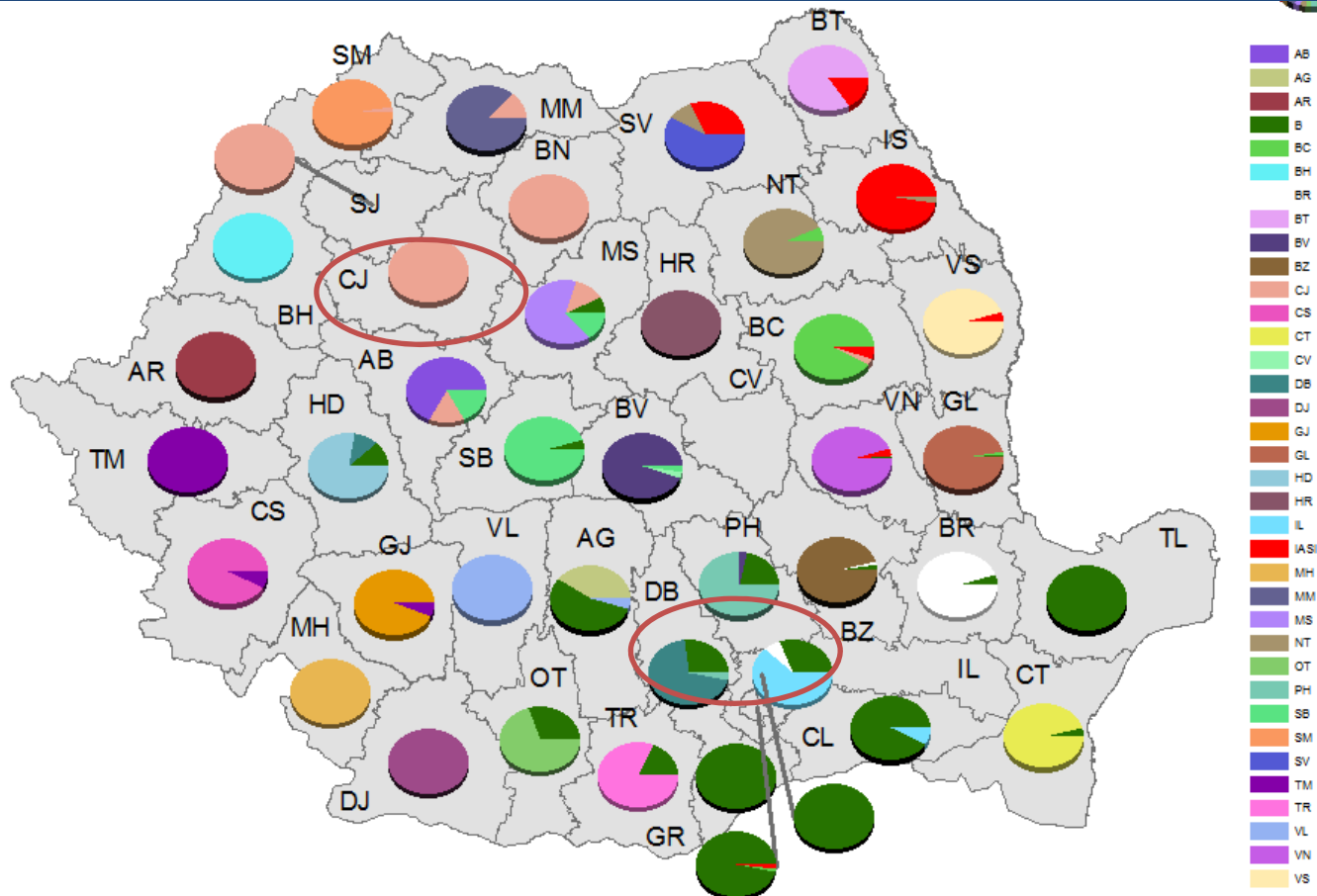
- Teritorial Distribution of Dialysis Treatment

What dialysis treatment mean for the patient beyond the method?

HD initiation by patient's home place in 2014

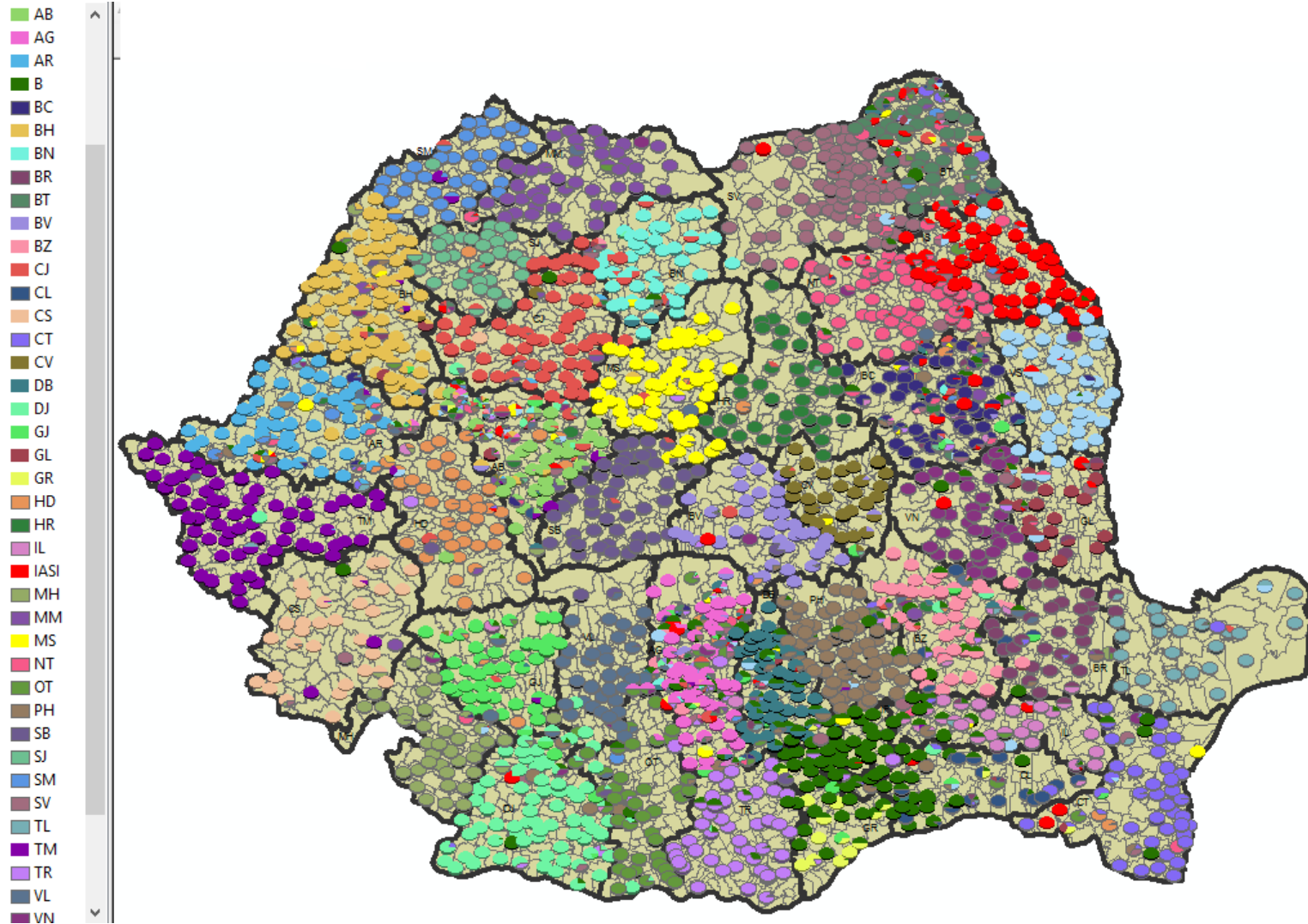


PD initiation by patient's home place in 2014



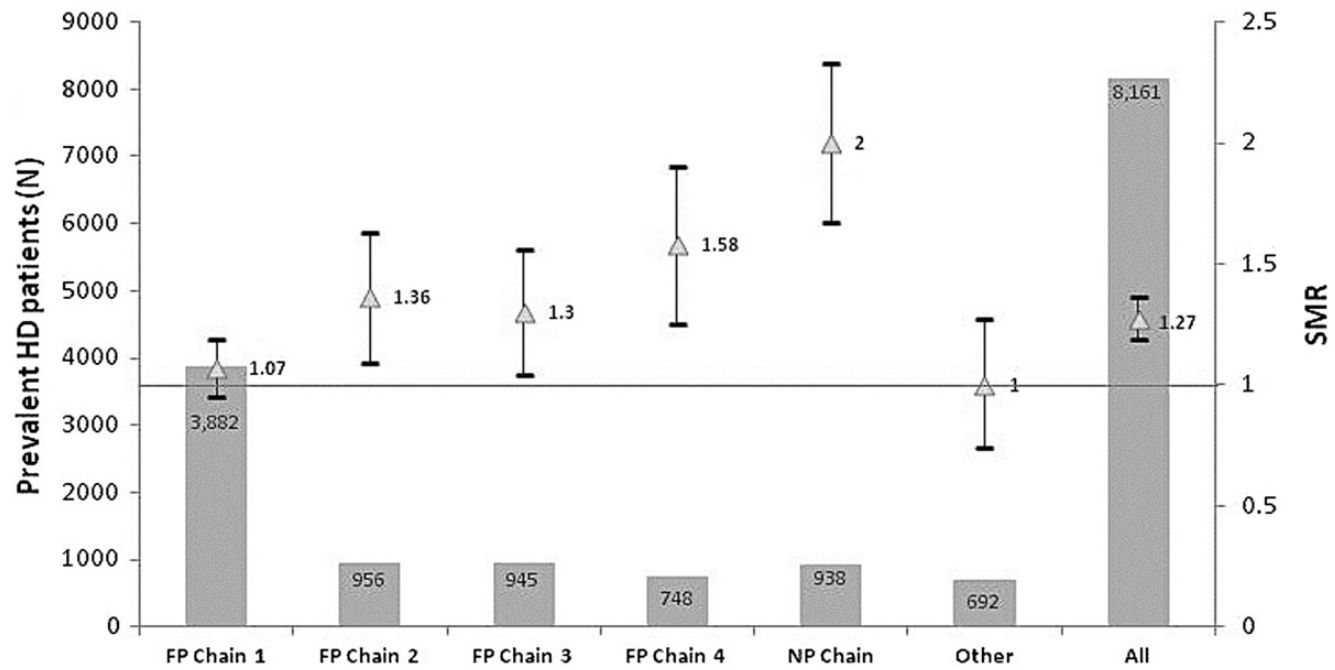
- Bucharest and Cluj initiated 100% of patients domiciliated in other counties (GR, IF, TL?! and BN, SJ respectively).

Constant treatment center versus patient's home place



- Quality of Treatment

Standardized Mortality Rate



Conclusions

- The number of the RRT patients in Romania is below the European mean of 2012; however, the rate of increase is above the European mean.
- The annual rate of increase in RRT patients' prevalence tend to decrease.
- The use of PD is decreasing and should the current trends maintain, it will disappear by 2019.
- Renal transplantation:
 - The number of grafts increased. The grafts from deceased donors were predominant in the incident RTx.
 - It is estimated that only 8% of incident patients undergone non-preemptive transplantation.
 - At least 300-400 grafts would be necessary each year in order to allow transplantation to contribute effectively to RRT in Romania.
 - In order to have a proper evidence of RTx patients, compulsory reporting of the RTx patients to the RRR.

Conclusions

- The characteristics of the incident RRT Romanian patients are changing and are converging to European incident patients' characteristics:
 - the age and the proportions of patients with diabetes mellitus and cardiovascular comorbidities are increasing.
- There are no data to assess the medical performance of the dialysis centers, although there are highly required, useful and, moreover, the informatic system is designed in this perspective as well.

Acknowledgements

- Technicians, Romanian Renal Registry:
 - Eugen Podgoreanu
 - Viorica Ion
 - Daniela Isar
- Informatics:
 - Siemens Business Services for RRR litte
 - Romanian Soft Company
- Collaborators in the dialysis centers