



DRG project

Data 2023 from Slovenian pilot hospitals - data collector perspective

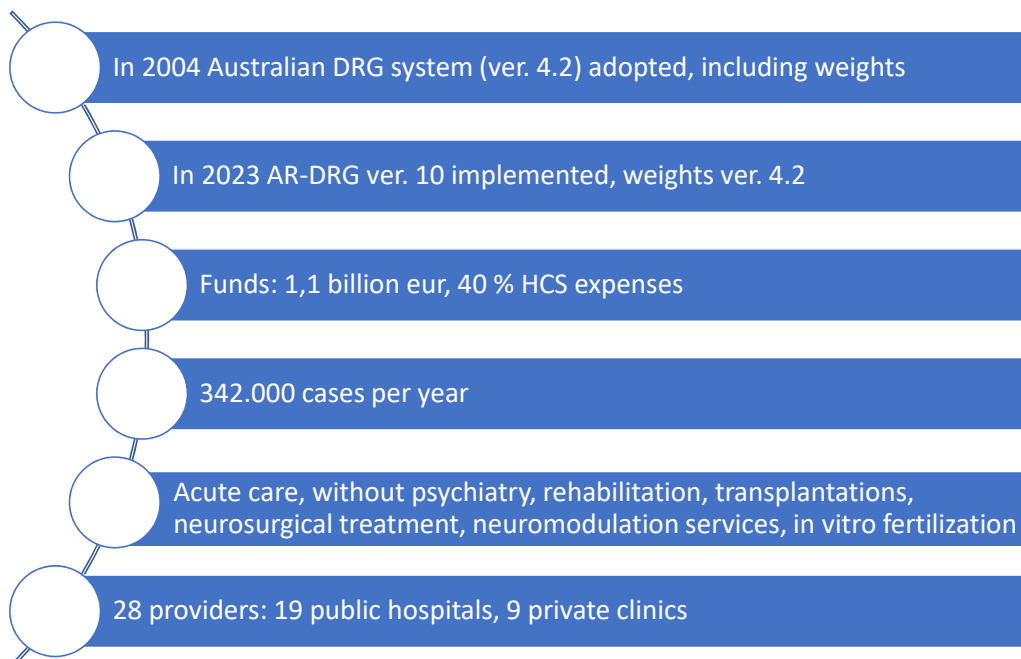
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PCSI, May 2024

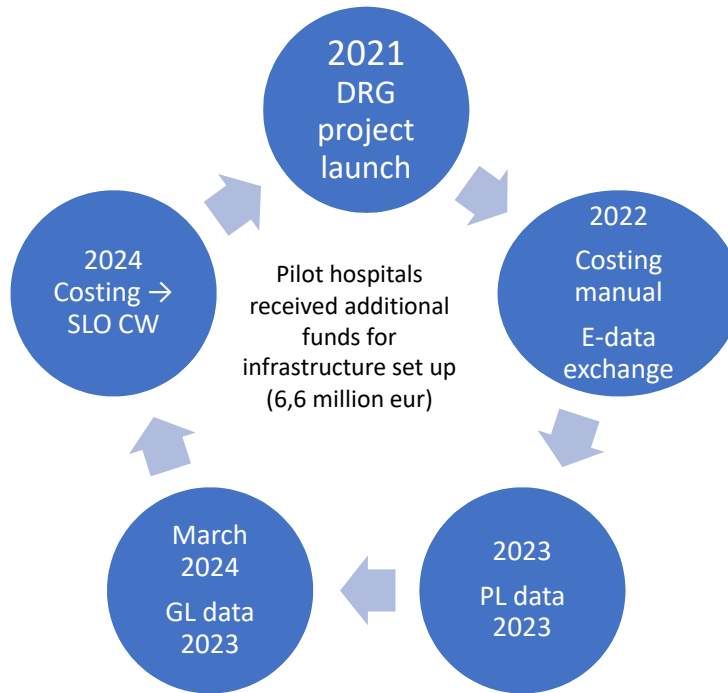
Bled, Slovenia



DRG system in Slovenia



DRG activities



Data 2023

11 pilot hospitals (out of 28 providers):

- 3 university clinics (2 general H, 1 pulmology H)
- 4 general H
- 2 gynecology and obstetrics H
- 1 oncology H
- 1 orthopedic H

PL data submitted electronically (XML structure) for 240.000 cases (70 %). Data checked and errors corrected.

GL data submitted in excel file. Checking in progress, hospitals are still correcting errors.



PL data errors

- material packages registered instead of the amount used: 100 cloths, 100 tampons, 6 scissors
- excessive amount: 133 heating pads for 3 OBDs, 600 gloves for 6 OBDs, 5000 masks for 8 OBDs
- reusable material: applicators, bronchoscopes, sterilization masks
- empty fields: no nursing data, no material costs, no external medical costs etc.
- implausible data:
 - anest time < operation time
 - mech vent hours < intensive therapy
 - nursing OBD < LOS



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General ledger costs

Zap. št.	Naziv stroškovnega mesta	A. Stroški dela										Skupaj		
		A1	A2	A3	B1.1	B1.2	B1.3	B2.1	B2.2	B2.3	C	D	E	F
1	Oddelek	1.948.850	3.214.800	475.093	7.296.314	57.735	544.684			702.871	2.294.549	2.230.392	892.658	19.657.945
2	Intenzivna enota	651.640	1.498.272	90.103	1.158		523.832			292.414	522.991	570.212	229.393	4.380.014
3	Anestezija													0
4	Porodna soba													0
5	Operacijska dvorana													0
6	Kardiološka diagnostika in terapija	103.403	180.573	15.658	123					44.712	102.078	160.139	19.263	625.950
7	Endoskopska diagnostika in terapija	103.476	233.779		14.843		34.255		4.857	270.441	118.363	90.074	132.594	1.002.683
8	Radiologija in nuklearna medicina	270.419		280.031		140.169	5.000			104.220	305.783	268.173	268.705	1.642.500
9	Laboratorij	287.516		1.846.339			643		125.952	1.331.469	889.638	681.231	224.773	5.387.561
10	Terapevtske in diagnostične storitve	63.297		294.591			1.422			99.434	183.879	181.689	94.485	918.798
11	Drugo SPP	323.425	492.478	88.258	6.508		3.781			82.587	150.612	218.964	40.226	1.406.839
1-11	SPP skupaj	3.752.025	5.619.902	3.090.073	7.318.946	197.904	1.113.617	0	130.809	2.928.149	4.567.894	4.400.874	1.902.097	35.022.290
12	Psihijatrija													0
13	Transplantacije													0
14	Druge akutne bolnišnične obravnave													0
15	Spremljanje oseb, ki so bolnišnično obravnavana													0
16	Neakutna bolnišnična obravnava	354	4.444	2.094			625		51	1.792		1.858	569	11.788
17	Specialistično ambulantna dejavnost	436.190	561.851	832.787	624.446		268.464			995.421	180.832	686.361	666.180	5.252.532
18	Druge dejavnosti													0
19	Drugo	1.394.353	950.497	802.143						901.614	390.772	202.545	566.669	5.208.594
12-19	Druge dejavnosti skupaj	1.830.897	1.516.792	1.637.024	624.446	0	269.090	0	51	1.898.828	571.604	890.765	1.233.418	10.472.914
1-19	SKUPAJ	5.582.922	7.136.694	4.727.097	7.943.392	197.904	1.382.707	0	130.860	4.826.977	5.139.498	5.291.639	3.135.515	45.495.204



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GL data errors

- Allocation of costs: DRG and non-DRG services
- Cost and payment comparison
- % cost type between hospitals
- Tariff comparison between hospitals



Challenges

1. Infrastructure set up in pilot hospitals
2. Access to PL data in hospitals for checking purposes
3. Better PL data recording, esp.:
 - expensive materials and medicines
 - external medical services
 - blood



Overview



- excellent sample of pilot H
- extra funds for setting up the infrastructure in H
- continuous communication
- PL data cleaning in HIS

- SW providers in H as „third party players“
- H people in the project mainly from the accounting dept, less knowledge about PL data, little time for PL data checks...
- engage H management in using data to improve data quality

