

S1 Table. Trends of psychiatric and somatic care and general co-payments, results of time series analysis (ARIMA) over 2009-2014

	year quarter	2009 q1	q2	q3	q4	2010 q1	q2	q3	q4	2011 q1	q2	q3	q4	2012 q1	q2	q3	q4	2013 q1	q2	q3	q4	2014 q1	q2	q3	q4
Elective psychiatric care																									
patients with elective outpatient care plus antipsychotic medication		66%	65%	64%	66%	65%	64%	63%	64%	62%	62%	61%	62%	60%	59%	59%	59%	59%	59%	58%	59%	57%	56%	55%	55%
patients with elective outpatient care without antipsychotic medication		16%	16%	16%	14%	14%	14%	14%	13%	13%	13%	13%	12%	12%	11%	11%	10%	10%	9%	10%	9%	9%	9%	9%	8%
patients with only antipsychotic medication		10%	10%	10%	9%	10%	11%	11%	10%	11%	12%	12%	12%	13%	14%	14%	14%	14%	15%	15%	15%	16%	16%	17%	17%
patients without elective outpatient care and antipsychotic medication		8%	9%	10%	10%	11%	11%	12%	13%	13%	14%	14%	14%	15%	16%	16%	16%	16%	17%	17%	17%	18%	18%	19%	19%
patients with elective outpatient care		82%	81%	80%	80%	79%	78%	77%	77%	76%	74%	74%	74%	72%	70%	70%	70%	69%	68%	68%	68%	66%	65%	64%	64%
patients with antipsychotic medication		76%	76%	75%	75%	75%	75%	74%	74%	74%	74%	73%	74%	73%	74%	73%	74%	73%	74%	73%	73%	73%	73%	72%	73%
number of patients starting new elective outpatient care		2725	1872	2035	3250	2579	1724	1929	3055	2507	1614	1854	2847	2244	1473	1721	2834	2122	1520	1885	2616	2123	1462	1702	2289
amount of elective outpatient care per patient (average costs in euros)		875	555	636	1093	810	540	615	978	780	513	571	902	742	514	590	976	657	481	568	838	628	425	470	675
amount of antipsychotic medication (average number of DDD ^a)		80	83	80	84	79	82	80	82	80	82	81	82	81	82	81	84	81	83	81	84	80	83	83	86
Episodic psychiatric care																									
all patients		22%	20%	20%	20%	18%	17%	17%	17%	16%	16%	15%	15%	15%	14%	14%	14%	14%	14%	14%	14%	13%	13%	12%	13%
patients with elective outpatient care plus antipsychotic medication		9%	7%	8%	10%	8%	7%	6%	8%	7%	6%	6%	7%	7%	6%	6%	7%	8%	7%	7%	9%	7%	7%	6%	8%
patients with elective outpatient care without antipsychotic medication		14%	14%	12%	14%	12%	11%	10%	12%	11%	11%	10%	10%	9%	10%	11%	10%	11%	10%	14%	13%	10%	11%	12%	14%
patients with only antipsychotic medication		88%	85%	83%	78%	74%	72%	68%	63%	63%	61%	61%	57%	52%	51%	48%	43%	43%	45%	44%	40%	38%	35%	34%	29%
patients without elective psychiatric care		64%	53%	44%	37%	35%	30%	29%	27%	24%	25%	24%	21%	19%	17%	16%	17%	15%	15%	13%	14%	13%	12%	11%	11%
subgroup with every quarter elective care		13%	11%	11%	11%	9%	9%	9%	9%	8%	8%	8%	8%	8%	8%	8%	8%	9%	9%	9%	9%	8%	8%	8%	9%
subgroup with quarters without elective care		35%	33%	32%	32%	30%	29%	28%	28%	27%	26%	25%	25%	24%	23%	23%	23%	23%	22%	22%	22%	21%	19%	18%	18%
number of patients starting new episodic psychiatric treatment		725	590	610	760	637	504	516	678	575	461	439	574	518	450	507	629	644	499	564	646	543	485	464	562
amount of psychiatric care per patient (average costs in euros)		1742	1525	1577	1986	1737	1304	1365	1794	1468	1075	1262	1661	1596	1091	1359	1827	1505	1121	1328	1764	1336	940	1133	1472
Somatic care																									
average adjusted costs of somatic care (euros)		410	444	435	439	400	448	445	462	424	460	467	464	485	449	450	468	507	526	524	485	520	525	550	539
Co-payments																									
co-payments for all care under the Health Insurance Law (per year in euros)		155				165				170				220				350				360			
co-payments for psychiatric outpatient and inpatient care														psychiatric co-payments											
Price and cost indices for psychiatric and somatic care																									
price index psychiatric care (treatment)		100				98				99				100				104				115			
price index psychiatric care (hospital bed)		100				98				99				83				85				86			
cost index somatic care		100	96	94	98	100	97	96	101	105	100	98	102	102	105	102	108	109	108	106	111	110	110	109	113

	year	2009				2010				2011				2012				2013				2014			
	quarter	q1	q2	q3	q4	q1	q2	q3	q4	q1	q2	q3	q4	q1	q2	q3	q4	q1	q2	q3	q4	q1	q2	q3	q4
Deviations in trends: p-values, Level Shifts and Additive Outliers ^b																									
Elective psychiatric care																									
patients with elective outpatient care plus antipsychotic medication																									
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amount of psychiatric care per patient (average costs in euros)																									
Somatic care																									
average adjusted costs of somatic care (euros)																									

^a DDD: Defined Daily Dose

^b results of testing deviations of trends with Arima are indicated in the table with:

^c 2012q4: additive outlier (p=0,0003) and upwards level shift (p=0,0435)

upwards level shift

downwards level shift

additive outlier