

**Appendix 1:** Basic information of participating hospitals and data obtained

No	Hospital data			Data provided for the study							
	Type / Setting /State	No. of Beds	No. of Doctors	Mortality	Surgery	Obstetric visits	Deliveries	Emergency visits	Outpatients	No. of Inpatients	Finances
T1	Tertiary Urban - TN	2300	1600	✓	✓	✓	✓	✓	✓	✓	✓
T2	Tertiary Urban – TN	175	112	✓	✓	✓	✓	✓	✓	✓	✓
T3	Tertiary Urban – TN	297	140	✓	✓	✓	✓	✓	✓	✓	✓
S4	Secondary Urban - TN	46	7	✓	✓	✓	✓	x	✓	✓	✓
S5	Secondary Rural – TN	140	47	✓	✓	✓	✓	✓	✓	✓	✓
S6	Secondary Rural - TN	70	15	✓	✓	x	✓	✓	✓	✓	✓
S7	Secondary Rural – AP	60	20	x	x	x	x	x	✓	x	✓
S8	Secondary Rural – Bihar	200	23	✓	✓	✓	✓	✓	✓	✓	x
S9	Secondary Rural – Assam	140	14	✓	✓	✓	✓	✓	✓	✓	✓
S10	Secondary Rural – MP	150	7	✓	x	✓	✓	✓	✓	✓	✓
P11	Primary Rural - TN	4	5	x	x	x	x	x	✓	x	✓

AP- Andhra Pradesh; TN - Tamil Nadu; MP – Madhya Pradesh; X = data not provided or was unavailable; ✓ = data provided; Tertiary (T), Secondary (S) and Primary (P); In addition to these institutions, one tertiary-care teaching centre declined to participate as they could not obtain regulatory approvals and 3 hospitals (1 tertiary, 2 secondary) were unable to provide data by the predetermined deadline

**Appendix 2:** Analysis of the pooled data of tertiary centres and the secondary centres

Variables (Mean ± SD)	Tertiary Centres						
	Sep – Oct Reference Phase	Nov – Dec p-value	Jan – Feb p-value	Mar – Apr p-value			
<b>Mortality rate</b>							
Demonetization year	16.18 ± 0.18	18.23 ± 1.74	0.24	20.58 ± 1.39	0.05	17.67 ± 0.70	0.10
Control year	17.82 ± 0.84	21.10 ± 2.47	0.22	19.24 ± 1.51	0.37	17.73 ± 0.41	0.91
<b>Surgery rate</b>							
Demonetization year	352.08 ± 15.12	331.99 ± 27.59	0.46	362.35 ± 0.79	0.44	358.20 ± 5.29	0.64
Control year	345.48 ± 9.45	322.99 ± 32.97	0.45	353.06 ± 24.28	0.72	358.01 ± 12.01	0.37
<b>Obstetric rate</b>							
Demonetization year	48.47 ± 1.06	48.19 ± 2.05	0.88	47.45 ± 2.79	0.68	50.15 ± 1.88	0.39
Control year	49.15 ± 4.19	50.50 ± 1.12	0.70	49.85 ± 1.71	0.85	51.62 ± 0.97	0.50
<b>Delivery rate</b>							
Demonetization year	127.19 ± 1.88	125.82 ± 6.13	0.79	96.92 ± 7.07	0.03	108.45 ± 4.93	0.04
Control year	122.52 ± 0.25	123.13 ± 4.22	0.86	100.09 ± 1.50	0.002	105.18 ± 0.64	0.001
<b>Emergency rate</b>							
Demonetization year	34.29 ± 0.6	34.77 ± 0.85	0.59	37.42 ± 0.54	0.03	37.54 ± 2.27	0.19
Control year	36.00 ± 1.07	39.66 ± 1.75	0.13	39.33 ± 3.47	0.32	34.69 ± 0.92	0.32
<b>Total outpatients</b>							
Demonetization year	199347 ± 5032	181267 ± 7261	0.10	190890 ± 25	0.14	198027 ± 19332	0.93
Control year	198025 ± 4169	177051 ± 421	0.02	178521 ± 788	0.02	187009 ± 12568	0.36
<b>Total inpatients</b>							
Demonetization year	11461 ± 354	10825 ± 338	0.21	10221 ± 239	0.05	11082 ± 523	0.49
Control year	12169 ± 460	11441 ± 102	0.16	10637 ± 138	0.05	11195 ± 100	0.10

Variables (Mean ± SD)	Secondary Centres						
	Sep – Oct Reference Phase	Nov – Dec	p-value	Jan – Feb	p-value	Mar – Apr	p-value
<b>Mortality rate</b>							
Demonetization year	15.70 ± 2.72	16.58 ± 2.42	0.77	19.04 ± 4.24	0.45	15.40 ± 0.07	0.89
Control year	19.38 ± 0.62	20.95 ± 1.64	0.33	20.60 ± 2.01	0.50	15.37 ± 4.95	0.37
<b>Surgery rate</b>							
Demonetization year	170.36 ± 28.89	174.78 ± 9.61	0.86	181.04 ± 6.65	0.66	132.522 ± 42.42	0.41
Control year	190.09 ± 0.04	186.09 ± 15.51	0.75	177.03 ± 11.58	0.25	179.82 ± 19.89	0.54
<b>Obstetric rate</b>							
Demonetization year	50.12 ± 4.56	51.87 ± 3.27	0.70	47.33 ± 0.93	0.49	48.21 ± 2.55	0.66
Control year	46.94 ± 4.25	49.89 ± 3.95	0.55	42.77 ± 2.68	0.36	35.78 ± 14.56	0.41
<b>Delivery rate</b>							
Demonetization year	403.11 ± 16.63	408.08 ± 3.71	0.72	383.20 ± 12.19	0.31	313.97 ± 45.60	0.12
Control year	422.55 ± 8.32	441.61 ± 7.33	0.14	421.58 ± 20.28	0.96	423.10 ± 19.64	0.97
<b>Acc. emergency rate</b>							
Demonetization year	25.22 ± 0.18	23.59 ± 0.98	0.15	23.71 ± 1.34	0.26	23.18 ± 0.04	0.004
Control year	26.90 ± 0.53	26.73 ± 0.75	0.82	22.48 ± 0.62	0.02	20.88 ± 2.33	0.07
<b>Total outpatients</b>							
Demonetization year	151580 ± 2588	135366 ± 556	0.01	133785 ± 3449	0.03	137448 ± 9607	0.18
Control year	149110 ± 1109	138211 ± 2416	0.03	137198 ± 1463	0.01	137958 ± 18870	0.49
<b>Total inpatients</b>							
Demonetization year	4068 ± 105	3628 ± 104	0.05	3345 ± 146	0.03	3572 ± 292	0.15
Control year	4180 ± 12	3860 ± 170	0.12	3378 ± 89	0.01	2844 ± 924	0.18

The demonetization year was taken as September 2016 to April 2017. September and October 2016 were the pre-demonetization reference period, November 2016 to December 2016 was the early demonetization period, January 2017 to February 2017 was the late demonetization period and March 2017 to April 2017 was the post-demonetization period. The control year was taken as September 2015 to April 2016. In view of multiple comparisons,  $P < 0.02$  is considered as significant. rate calculations are per 1000 outpatients for obstetric rate and emergency rate, and per 1000 inpatients for surgery and delivery rates.

**Appendix 3:** Bayesian regression analysis for individual hospitals.

	CH	MK	MM*
	Estimate (95% CI)	Estimate (95% CI)	Estimate (95% CI)
<b>Outpatients</b>			
Constant(Average)	6691.0 (6282.0, 7095.0)	6879.0 (6369.0, 7383.0)	9792.3 (9146.8, 10437.8)
Demonetization	-1749.0 (-2462.0, -1046.0)	-204.9 (-1095.0, 673.1)	-1344.0 (-2462.0, -226.0)
Post Demonetization	-2134.0 (-2953.0, -1317.0)	95.7 (-926.7, 1115.0)	78.7 (-1212.3, 1369.6)
Winter	-431.3 (-1073.0, 219.9)	-599.5 (-1400.0, 213.2)	-222.8 (-1243.4, 797.8)
<b>Inpatients</b>			
Constant(Average)	460.9 (423.7, 497.6)	978.6 (911, 1045)	936.2 (900.4, 971.9)
Demonetization	-117.3 (-182.1, -53.4)	72.3 (-45.6, 188.5)	-78.8 (-140.7, -16.8)
Post Demonetization	-86.2 (-160.7, -12)	74.7 (-60.7, 209.6)	-0.7 (-72.2, 70.9)
Winter	-30.4 (-88.7, 28.8)	-23.0 (-129.0, 84.6)	-1.9 (-58.5, 54.6)
<b>Mortality rate</b>			
Constant(Average)	44.7 (18.8, 70.3)	24.69 (19.19, 30.13)	27.5 (22.3, 32.6)
Demonetization	-56 (-101.3, -11.4)	5.766 (-3.83, 15.24)	6.8 (-2.2, 15.7)
Post Demonetization	-23.8 (-75.8, 28)	1.3 (-9.727, 12.29)	6.1 (-4.2, 16.5)
Winter	38.1 (-2.6, 79.4)	3.613 (-5.018, 12.38)	1.3 (-6.9, 9.5)
<b>Surgery rate</b>			
Constant(Average)	-	221.4 (195.5, 247.1)	295.5 (283.0, 308.0)
Demonetization	-	-4.596 (-49.92, 40.13)	23.5 (1.8, 45.1)
Post Demonetization	-	-6.423 (-58.5, 45.47)	10.2 (-14.8, 35.2)
Winter	-	-7.046 (-47.81, 34.35)	-29.7 (-49.4, -9.9)
<b>Obstetric rate</b>			
Constant(Average)	185.6 (128.2, 242.3)	85.91 (76.65, 95.07)	50.1 (45.1, 55.1)
Demonetization	141.6 (41.5, 240.3)	4.569 (-11.59, 20.52)	14.4 (5.8, 23.0)
Post Demonetization	42.2 (-72.7, 156.8)	-7.005 (-25.57, 11.5)	4.9 (-5.0, 14.9)

Winter	13.8 (-76.2, 105.2)	6.946 (-7.592, 21.71)	-2.8 (-10.7, 5.0)
<b>Delivery rate</b>			
Constant(Average)	-	404.2 (381.4, 426.7)	29.0 (23.9, 34.0)
Demonetization	-	-21.84 (-61.63, 17.42)	4.0 (-4.7, 12.7)
Post Demonetization	-	-29.36 (-75.07, 16.2)	-7.5 (-17.6, 2.5)
Winter	-	48.03 (12.25, 84.37)	1.0 (-6.9, 9.0)
<b>Emergency rate</b>			
Constant(Average)	82.0 (76.2, 87.9)	104 (91.53, 116.3)	45.9 (41.2, 50.5)
Demonetization	-10.1 (-20.3, 0.0)	41.68 (19.92, 63.16)	10.5 (2.5, 18.5)
Post Demonetization	-4.8 (-16.6, 6.9)	13.37 (-11.63, 38.29)	2.6 (-6.7, 11.8)
Winter	-14 (-23.2, -4.6)	-19.4 (-38.98, 0.4759)	1.4 (-5.9, 8.7)

## Appendix 3 cont....

	NR*	RX	CMC*
	Estimate (95% CI)	Estimate (95% CI)	Estimate (95% CI)
<b>Outpatients</b>			
Constant(Average)	16620.0 (14960, 18260)	10100.0 (9569, 10630)	168300.0 (161500, 175000)
Demonetization	1938.0 (-962.4, 4799)	-761.5 (-1635, 91.8)	7441.0 (-4408, 19140)
Post Demonetization	1887.0 (-1445, 5207)	-1123.0 (-2131.0, -127.5)	1371.0 (-12240, 14970)
Winter	-3244.0 (-5853, -595.4)	-1209.0 (-2042, -398.5)	-13360.0 (-24020, -2524)
<b>Inpatients</b>			
Constant(Average)	1150 (997, 1301)	1402 (1244, 1559)	9520 (9141, 9894)
Demonetization	-282.7 (-549.7, -19.3)	-140.8 (-400.3, 112.7)	-169.8 (-830.4, 482)
Post Demonetization	-317.6 (-624.3, -11.8)	-415.9 (-715.4, -120)	-204.2 (-963.2, 552.1)
Winter	-26.5 (-266.7, 217.3)	-248.6 (-496.4, -7.9)	-532.8 (-1127, 70.5)
<b>Mortality rate</b>			
Constant(Average)	9.5 (6.9, 11.9)	25.9 (22.5, 29.3)	17.2 (15.7, 18.7)
Demonetization	-1.1 (-5.4, 3.1)	-9.4 (-15.0, -3.9)	-1.6 (-4.2, 0.9)
Post Demonetization	2.1 (-2.9, 6.9)	-3.1 (-9.5, 3.3)	-0.6 (-3.6, 2.4)
Winter	4.4 (0.5, 8.3)	3.7 (-1.5, 8.9)	2.8 (0.5, 5.2)
<b>Surgery rate</b>			
Constant(Average)	384.3 (331.5, 436.5)	261.0 (226.3, 295.7)	354.9 (335.9, 373.7)
Demonetization	86.7 (-5.5, 177.6)	21.7 (-34.4, 76.8)	-1.0 (-34.2, 31.7)
Post Demonetization	119.5 (13.6, 225.0)	16.8 (-69.3, 102.5)	-4.1 (-42.2, 33.8)
Winter	-49.5 (-132.4, 34.7)	-2.6 (-55.1, 49.6)	-8.5 (-38.3, 21.8)
<b>Obstetric rate</b>			
Constant(Average)	64.0 (40.6, 87.2)	352.1 (336.1, 368.1)	48.3 (46.4, 50.2)
Demonetization	-23.5 (-64.3, 16.8)	-3.3 (-29.6, 22.5)	-2.4 (-5.8, 0.9)
Post Demonetization	13.9 (-33, 60.7)	-19.9 (-50.2, 10.1)	-1.5 (-5.4, 2.4)

Winter	33.5 (-3.3, 70.8)	-0.7 (-25.8, 23.7)	-1.3 (-4.3, 1.8)
<b>Delivery rate</b>			
Constant(Average)	29.4 (20.6, 38.1)	354.8 (334.7, 374.9)	137.8 (125.9, 149.6)
Demonetization	6.7 (-8.7, 21.9)	-5.4 (-37.9, 26.6)	-4.8 (-25.6, 15.7)
Post Demonetization	4.9 (-12.7, 22.6)	-11.1 (-61, 38.5)	-14.0 (-37.9, 9.8)
Winter	-5.4 (-19.2, 8.7)	56.9 (26.5, 87.1)	-6.6 (-25.3, 12.4)
<b>Emergency Rate</b>			
Constant(Average)	2.6 (1.4, 3.8)	86.2 (77.5, 94.9)	37.6 (35.7, 39.5)
Demonetization	1.1 (-0.9, 3.2)	-15.9 (-30.2, -1.9)	-4.2 (-7.6, -0.9)
Post Demonetization	0.5 (-1.9, 2.9)	-17.8 (-34.3, -1.5)	3.1 (-0.7, 6.9)
Winter	0.8 (-1.1, 2.7)	-7.7 (-21.3, 5.6)	4.6 (1.6, 7.7)

## Appendix 3 cont....

Variables	CHD	CHTR	LCU
	Estimate (95% CI)	Estimate (95% CI)	Estimate (95% CI)
<b>Outpatients</b>			
Constant(Average)	8966 (8506, 9432)	3088 (2277, 3909)	102700 (99110, 106300)
Demonetization	958 (139, 1774)	2933 (1490, 4370)	-4931 (-11280, 1397)
Post Demonetization	446 (-467, 1399)	2951 (1342, 4630)	-10460 (-17540, -3071)
Winter	-638 (-1393, 101)	-921 (-2251, 381)	-5633 (-11490, 100)
<b>Inpatients</b>			
Constant(Average)	884 (798, 972)	-	163 (145, 181)
Demonetization	-103 (-257, 49.7)	-	-26.8 (-59.2, 5.5)
Post Demonetization	-58 (-230, 120)	-	-16.5 (-52.6, 21.2)
Winter	2.4 (-139, 141)	-	3.5 (-26.4, 32.8)
<b>Mortality rate</b>			
Constant(Average)	2.3 (0.6, 4.1)	-	-
Demonetization	-0.1 (-3.7, 2.5)	-	-
Post Demonetization	-0.0 (-3.5, 3.6)	-	-
Winter	1.3 (-1.6, 4.1)	-	-
<b>Surgery rate</b>			
Constant(Average)	93.1 (81.8, 104.5)	-	37.8 (18.2, 57.6)
Demonetization	1.6 (-18.5, 21.7)	-	29.0 (-5.7, 63.6)
Post Demonetization	14.8 (-7.7, 38.2)	-	-10.5 (-49.1, 29.8)
Winter	4.7 (-81.8, 104.5)	-	-9.9 (-42.2, 21.5)
<b>Obstetric rate</b>			
Constant(Average)	177.5 (162, 193.2)	-	1.8 (1.6, 2.0)
Demonetization	12.5 (-15.2, 40)	-	0.1 (-0.3, 0.4)
Post Demonetization	20.8 (-10, 52.9)	-	0.3 (-0.1, 0.8)
Winter	-23.0 (-48.5, 1.9)	-	-0.2 (-0.6, 0.1)
<b>Delivery rate</b>			

Constant(Average)	319.2 (297.9, 340.8)	-	58.6 (44.4, 72.9)
Demonetization	33.1 (-4.8, 70.9)	-	-2.4 (-27.6, 22.7)
Post Demonetization	16.1 (-26.2, 60.3)	-	-4.0 (-32.1, 25.3)
Winter	-33.3 (-68.3, 0.9)	-	-0.2 (-0.6, 0.1)
<b>Emergency Rate</b>			
Constant(Average)	107.3 (97.6, 117.2)	-	-
Demonetization	-21.3 (-38.5, -4.1)	-	-
Post Demonetization	-14.0 (-33.2, 6.1)	-	-
Winter	24.1 (8.0, 39.7)	-	-

## Appendix 3 contd...

Variables	RSA	RSC
	Estimate (95% CI)	Estimate (95% CI)
<b>Outpatients</b>		
Constant(Average)	8326(7846, 8812)	1110(1011, 1210)
Demonetization	200(-650, 1046)	383(207, 559)
Post Demonetization	-404(-1349, 584)	204(7.9, 409)
Winter	-666(-1455, 103)	-60.9(-223, 97.9)
<b>Inpatients</b>		
Constant(Average)	334(292, 377)	-
Demonetization	-50 (-125, 25)	-
Post Demonetization	-95 (-179, -8)	-
Winter	-8 (-78, 61)	-
<b>Mortality rate</b>		
Constant(Average)	0.5 (-0.2, 1.2)	-
Demonetization	0.0 (-1.2, 1.2)	-
Post Demonetization	-0.5 (-1.9, 0.9)	-
Winter	-0.5 (-1.7, 0.6)	-
<b>Surgery rate</b>		
Constant(Average)	190.0 (151.0, 229.9)	-
Demonetization	-73.3 (-142.7, -4.3)	-
Post Demonetization	-110.8 (-187.9, -30.1)	-
Winter	7.2 (-57.3, 70.0)	-
<b>Obstetric rate</b>		
Constant(Average)	-	-
Demonetization	-	-
Post Demonetization	-	-
Winter	-	-
<b>Delivery rate</b>		

Constant(Average)	299.1 (262.3, 336.5)	-
Demonetization	-16.3 (-81.9, 49.0)	-
Post Demonetization	-32.5 (-105.6, 43.8)	-
Winter	-11.6 (-72.1, 47.5)	-
<b>Emergency Rate</b>		
Constant(Average)	74.9 (67.0, 82.9)	-
Demonetization	-5.0 (-19.1, 9.0)	-
Post Demonetization	-8.4 (-24.0, 8.0)	-
Winter	9.0 (-4.0, 21.6)	-

Note: Individual hospitals denoted as abbreviations. The symbol \* denotes tertiary hospitals. The constant (average) is the mean value of all the months used in the analysis. This gives a reference to compare the change in the variables. 'Demonetization' was between November 2016 and February 2017 (4 months) and the periods early phase and late phase have been clubbed together. 'Post demonetization' was March and April 2017. The winter months were taken as November, December, January and February of both years (Demonetization + control year). Winter values represent the seasonal changes and this is compared with the non-winter months. All rates are represented per 1000 inpatients. CI – Credible intervals; rate calculations are per 1000 outpatients for obstetric rate and emergency rate, and per 1000 inpatients for surgery and delivery rates

**Appendix 4:** Lead centre post hoc analysis over 4.5 years

<b>Variables</b>	<b>Bayesian estimates (95% CI)</b>
<b>Outpatients</b>	
Constant (Average)	134512 (130592, 138431)
Winter	-7261 (- 11340, - 3117)
Demonetization	- 4640 (-12700, 3664)
Post Demonetization	- 3688 (-11670, 4146)
Time	827 (681, 980)
<b>Inpatients</b>	
Constant (Average)	8815 (8563, 9067)
Winter	- 566 (- 828, -300)
Demonetization	- 392 (- 910, 141)
Post Demonetization	- 428 (- 940, 76)
Time	20 (11, 29)
<b>Mortality Rate</b>	
Constant (Average)	19 (18, 20)
Winter	2.14 (1.01, 3.29)
Demonetization	- 0.28 (- 2.52, 2.03)
Post Demonetization	- 0.80 (- 3.02, 1.38)
Time	- 0.05 (- 0.09, - 0.01)

Constant (average) is the mean value of all the months used in the analysis. This gives a reference to compare the change in the variables. The Demonetization period is between November 2016 and February 2017 (4 months) and the periods early phase and late phase have been clubbed together. The post demonetization period is March and April 2017; the winter months are November, December, January and February of all the years; winter values represent the seasonal changes and this is compared with the non-winter months. Time represents the expected monthly change in the parameters and represents the monthly increment/reduction in the various parameters derived from the regression analysis. All rates are represented per 1000 inpatients; CI – Credible intervals

**Appendix 5.** Lead center data for specific departments

Variables (Mean ± SD)	Sep – Oct Reference Period	Nov – Dec	P-value	Jan – Feb	P-value	Mar – Apr	P value
<b>Ophthalmology Department</b>							
<b>Outpatients</b>							
Demonetization year	9933 ± 829	10985 ± 1084	0.38	10105 ± 399	0.82	10506 ± 1221	0.64
Control year	9364 ± 783	9067 ± 151	0.65	9289 ± 632	0.93	9805 ± 486	0.57
<b>Inpatients</b>							
Demonetization year	702 ± 38	702 ± 179	1.00	535 ± 83	0.12	761 ± 142	0.63
Control year	651 ± 24	451 ± 100	0.11	430 ± 7	0.006	769 ± 37	0.07
<b>Surgeries</b>							
Demonetization year	506 ± 8	442 ± 76	0.36	441 ± 69	0.33	465 ± 195	0.80
Control year	553 ± 64	394 ± 91	0.18	343 ± 88	0.11	630 ± 101	0.46
<b>Emergency cases</b>							
Demonetization year	337 ± 35	306 ± 24	0.41	450 ± 92	0.25	555 ± 142	0.17
Control year	261 ± 21	207 ± 24	0.13	236 ± 93	0.74	346 ± 19	0.05
<b>Psychiatry Department</b>							
<b>Outpatients</b>							
Demonetization year	10012 ± 204	9733 ± 693	0.64	9850 ± 461	0.69	10007 ± 1020	0.99
Control year	9856 ± 486	9454 ± 1068	0.68	9600 ± 943	0.76	9723 ± 1216	0.90
<b>Inpatients</b>							
Demonetization year	82 ± 2	88 ± 2	0.11	80 ± 6	0.71	82 ± 11	1.00
Control year	80 ± 8	81 ± 11	0.93	69 ± 12	0.39	85 ± 1	0.43
<b>Cardiology Department</b>							
<b>Chest pain patients</b>							
Demonetization year	189 ± 13	194 ± 33	0.85	203 ± 54	0.51	209 ± 34	0.51
Control year	192 ± 4	209 ± 15	0.27	236 ± 33	0.20	202 ± 4	0.14

The demonetization year was taken as September 2016 to April 2017. September and October 2016 were the pre-demonetization reference period, November 2016 to December 2016 was the early demonetization period, January 2017 to February 2017 was the late demonetization period and March 2017 to April 2017 was the post-demonetization period. The control year was taken as September 2015 to April 2016. In view of multiple comparisons, P<0.02 considered as significant;

**Appendix 6:** Analysis of on overseas patients from the lead centre

<b>Variables</b>	<b>Estimates (95% CI)</b>	<b>p-value</b>
<b>Foreign Patients</b>		
Constant (Average)	13465 (12440, 14490)	
Status:		
Early Demonetization	- 182 (- 1903, 1539)	0.84
Post Demonetization	4419 (2694, 6143)	<0.001
Time	46 (-72, 164)	0.45

Overseas (foreign) patients (OSP) were defined as those living outside India and holding a passport other than that issued by the Republic of India. The constant values represent average number of patients per month, analysed over a period of 23 months. Here the early demonetization represents the months of November 2016 and December 2016; OSP post-demonetization period was from January 2017 to July 2017. Time – refers to an average monthly increase in 46 foreign patients but this was not statistically significant. During demonetization period there was a decline of 182 foreign patients which was not statistically significant. In the post demonetization period, on an average 4419 foreign patients increased ( $p < 0.001$ ); CI – Credible intervals.

**Appendix 7:** Long term data of percentage of non-cash trends from the lead centre

<b>Variables</b>	<b>Estimates (95% CI)</b>	<b>p-value</b>
<b>Percentage of non-cash</b>		
Constant (Average)	19.15 (17.21, 21.10)	
Status:		
Demonetization	25.17 (21.67, 28.66)	<0.001
Post Demonetization	11.88 (7.74, 16.01)	<0.001
Time	0.15 (- 0.014, 0.32)	0.07

The total period included for this analysis was 40 months; Here the Non-cash (NC) demonetization period was taken from November 16 to February 17; the NC post-demonetization period was March 17 till December 18; on an average every month 0.15% non-cash increased in the lead center but this was not statistically significant. During the demonetization period, there was a 25.17% significant increase in non-cash transactions. During the subsequent period, the increase was about 12%; CI – Credible intervals

**Appendix 8: Regression analysis of pharmacy income in Lakhs of Rupees.**

Variables	Regression Analysis		Bayesian Analysis
	Estimates (95% CI)	p value	Estimates (95% CI)
<b>Pharmacy Income</b>			
<b>Winter</b>	- 28.72(- 80.21, 22.77)	0.27	- 28.6 (- 83.65, 24.84)
<b>Status</b>			
Demonetization	- 122.84(- 215.98, - 29.71)	0.01	-123.0 (- 221.3, - 26.19)
Post Demonetization	- 25.89 (- 111.18, 59.39)	0.55	- 25.29 (- 113.9, 65.43)
<b>Time</b>	26.58 (25.34, 27.81)	<0.001	26.56 (25.23, 27.9)

**Note****Winter:** Nov, Dec, Jan, Feb (Every year)**Demonetization:** Nov16, Dec16, Jan17, Feb17**Post demonetization:** March 17 – April 17**Time:** 2015 – 2019**1 USD ~ Rs 67 in November 2016**