AVAILABILITY OF FINANCIAL INCLUSION IN INDIA: AN INTERSTATE ANALYSIS

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ABSTRACT

Financial Inclusion is such a process that aims to cover each individual in the economy in the canopy of formal finance, by providing them timely and adequate financial services, and that too at an affordable cost. Ensuring access and availability to basic banking services are the very basis of financial inclusion. Although the Government of India is trying laboriously to ensure inclusion of 'every individual', there is a great disparity in the inclusion stance of different states of the country. The current article is an aim in this regard, and brings out the discrepancy across the Indian states in terms of the 'availability' aspect of financial inclusion. The results highlight that there is a wide and vivid gap between the 'banking availability' levels of the Northern states vis-s-vis the North Eastern States of the country. The efforts need to therefore be streamlined towards those in the economically downtrodden states of the country to up-pace the effectiveness of the task of financial inclusion in the country.

Keywords: *Financial Inclusion, Financial Availability, Bank Availability.*

Introduction

Driven by the objective of reaching out to the 'bottom of the pyramid', financial inclusion assumes an overtly important role in a class inequality smitten, developing country like India. For a country, characterized by a wide and a vivid gap in the inclusion stance across geographic areas and socioeconomic classes; the need for a study focusing on the extent and adequacy of financial access and availability becomes explicit. The need becomes even more pronounced for facilitating a comparison of the status of financial inclusion, before and after 2005-06 (the period wherein RBI directed banks to make financial inclusion a policy objective).

According to RBI's Financial Inclusion Plan, (FIP) 2010, every village, located in even the remotest corner of the country, with a population greater than 2000, needs to be financially covered through a bank or any other means of Point of Sale (PoS). Availability of banks in the form of brick and mortar branches, ATMs, internet or mobile banking helps in the adequate utilization of financial services. The need, however, of physical brick and mortar branches, even in an age of technological revolution and branchless banking cannot be ruled out. Considering demographic penetration as a measure of banks' outreach in being available to an adequate number of individuals; the number of bank branches per 1,00,000 adults has been used as a measure for it. Higher demographic branch availability can therefore be considered as a testimonial of easier access, owing to fewer potential clients per outlet (Ravi Kumar, 2013).

Geographic branch availability or geographic branch penetration is one of the most important measures of financial inclusion (Beck et al, 2007; Chakravarty and Pal, 2010). Penetration of branches is important to ensure availability of branches to people in terms of geographic access (Ravikumar, 2013). Number of branches of SCBs per 1000 square kilometers has, therefore, been used as a measure for it. Higher geographic bank availability has implications for shorter distance to banks, and thus, unproblematic geographic access. Ensuring penetration of branches at reasonably small distances is therefore, essential to ensure greater bank linkage (with individuals). ATM availability is another significant dimension of financial inclusion, but the same could not be incorporated in the current research, due to paucity of consistent data pertaining to it.

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Defining Financial Inclusion

In the earlier periods, the term 'financial exclusion', was used to highlight limitations in access to the banking network (Anderloni et al., 2008). Before the era of liberalization, the term was used to describe both, demand and supply side bottlenecks to adequate financial access (Rahim et al, 2009). Early literature on financial exclusion has been defining it in the broader context of social exclusion (Kempson and Whyley, 1999; Sarma, 2008). The modern day definitions of financial inclusion consider its importance in not only providing access to the formal financial system, but also in ensuring the availability of timely, easy and affordable range of financial products and services to vulnerable groups the (RBI, 2008).

Development agendas today, thus consider inclusion as means, and not an end in solving the developmental problems (Kodan and Chhikara, 2013). An inclusive financial system not only helps to enhance efficiency and welfare of the population at large, but facilitates effective utilization also of productive resources, thereby reducing the cost of capital (Sarma, 2012). In addition, it also improves the management of finances and prevents the growth of informal sources of credit supply (such as moneylenders), which are often found to be exploitative (Sarma, 2008). Various definitions of financial inclusion, proposed by different authors and/or institutions have been presented in a summarized form in Table 1

Title	Author/Institution	Year	Term	Definition
Geographies of Financial Exclusion: Financial Adandonment in Britain and United States	Leyshon and Thrift	1995	Financial Exclusion	"The processes that serve to prevent certain social groups and individuals from gaining access to the formal financial system"
Repot of the Committee on Financial Inclusion, India	Rangarajan Committee (RBI)	2008	Financial Inclusion	"The process of ensuring access to financial services and timely and adequate availability of credit where needed by vulnerable groups such as the weaker sections and low income groups at an affordable cost".
Access to Finance and Development: Theory and Measurement	World Bank	2008	Financial Inclusion	"Broad access to financial services implies an absence of price and non price barriers in the use of financial services".
Index of Financial Inclusion – A measure of financial sector inclusiveness	Mandira Sarma	2012	Financial Inclusion	"A process that ensures the ease of access, availability and usage of formal financial system for all members of an economy".

Fable 1: Definitions	of Financial	Inclusion/Exclusion
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Source: Author's compilation on the basis of review of literature.

Database and Research Methodology

• Sample and Reference Period

The study spans 25 states, 4 union territories and 6 geographic areas of the country; and considers a period from April 1994 to March 2014.

• Database

Data for the indicators has been sourced from RBI's Basic Statistical Repost of Scheduled Commercial Banks in India, and the Census of India Reports for various years.

• Methodology

The scores for the demographic and geographic availability of financial inclusion have been arrived at by computing number of bank branches per 1,00,000 adults, and per 1000 kilometer square respectively, for all states, UTs and the geographical areas. They have subsequently been analyzed using descriptive statistics and Compounded Annual Growth Rates (CAGRs).

Results and Discussion

• *Demographic Availability*

Tables 2 (a) and (b) reflect the country's elevation from 11.316 branches per 1,00,000 adults in 1994-95, to 13.845 in 2013-14. Further, the mean demographic branch availability increased from 13.527 in 1994-95, to 17.712 in 2013-14. While the highest value demographic for branch availability increased from 31.519 in 1994-95, to 54.204 in 2013-14; the minimum value, however, marginally declined from 7.044 in 1994-95, to 6.339 in 2013-14. This, in turn, clarifies presence and even increase in variability in terms of demographic availability across the areas.

Region-wise, demographic availability of bank branches was observed to be high in the Northern, Southern and Western regions; while it was low in in Central, Eastern and North Eastern regions. State-wise (including UTs), Chandigarh (1994-95 to 1998-99) and Goa (1999-2000 and thereafter) demonstrated highest penetration of bank branches per 1,00,000 adults during different years. The availability demographic in Manipur emerged to be the least. With the exceptions of Mizoram, Meghalaya and Arunachal Pradesh, all North-Eastern states exhibited inferior demographic branch availability. The coefficient of variation, increased from 40.0 per cent in 1994-95 per cent to 56.5 in 2013, depicting increasing inter-region/state variability in demographic bank availability.

Table 3 reflects a CAGR of meager 0.602 per cent in terms of demographic branch availability in the country. This however, does not mean stagnation in growth of the number of bank branches. The bank branches in the country have although almost doubled from 63790 branches (in absolute terms) in 1994-95, to 120857 in 2013-14 (Basic Statistical Returns of Scheduled Commercial Banks, various issues), but the population has increased at a faster rate and has resulted in a low CAGR. However, the growth rates (CAGRs) of Southern (1.207 per cent) and Northern (1.106 per cent) regions were found to be greater than the all-India growth rate (CAGR). On the downward side, the growth rates of the Eastern and North-Eastern regions were found to be negative. Considering the growth rates in the states, it was only in Sikkim, Haryana and Kerala, that demographic branch the availability exhibited a CAGR greater than 2 per cent. In most of other states and UTs, the CAGRs were found to be extremely low. The figures iterated almost neglible (and even negative) CAGRs in the states of the North-Eastern region. Compared to earlier periods, it was only during 2009-10 to 2013-14, that the regions/states UTs depicted moderate average annual growth rates.

REGION /										Ŷ	<i>ears</i>									
STATE/	199	199	199	199	199	199	200	200	200	200	200	200	200	200	200	200	201	201	201	2013
UNION	4-	5-	6-	7-	8-	9-	0-	1-	2-	3-	4-	5-	6-	7-	8-	9-10	0-	1-	2-	-14
TERRITORY	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09		11	12	13	
NORTHERN	14.1	14.0	13.	13.	13.6	13.	13.	12.	12.	12.	12.6	12.6	12.9	13.5	13.9	14.5	15.1	16.3	17.5	19.1
REGION	72	28	883	772	46	370	138	971	779	645	75	27	06	17	07	33	85	79	43	10
Haryana	12.4	12.2	12.	12.	12.1	11.	11.	11.	11.	11.	11.5	11.7	12.0	12.8	13.3	14.4	15.5	16.9	18.6	21.0
-	85	85	172	214	30	874	684	621	585	507	47	09	61	24	90	85	46	87	55	70
Himachal	21.6	21.1	20.	20.	20.1	19.	19.	18.	18.	18.	18.2	18.1	18.6	19.2	19.9	20.8	21.6	22.9	24.4	26.2
Pradesh	37	70	739	501	35	725	274	929	657	297	14	50	89	65	78	20	23	18	06	44
Jammu &	14.8	14.5	14.	13.	13.7	13.	13.	13.	12.	12.	12.5	12.2	12.2	12.6	12.7	12.8	12.8	14.4	16.0	17.6
Kashmir	81	22	207	950	47	432	123	038	737	575	42	10	00	23	84	42	77	59	63	38
Punjab	16.1	16.2	16.	16.	16.2	16.	15.	15.	15.	15.	15.5	15.5	15.9	16.7	17.1	18.1	19.3	21.0	23.0	25.7
,	90	83	323	345	67	045	813	708	629	500	72	73	88	23	91	99	01	80	46	79
Rajasthan	11.4	11.3	11.	10.	10.7	10.	10.	10.	9.8	9.6	9.50	9.32	9.42	9.73	9.84	10.0	10.4	11.0	11.6	12.5
,	81	79	190	976	99	529	300	072	23	08	4	4	6	8	5	69	03	79	96	36
Chandigarh	30.8	31.4	32.	32.	33.4	33.	32.	31.	32.	33.	34.2	35.1	36.7	39.8	41.4	43.1	43.6	46.0	47.5	49.5
0	32	39	526	937	45	359	742	968	525	196	65	31	92	86	83	27	49	31	50	93
Delhi	18.0	17.5	17.	17.	17.2	16.	16.	16.	16.	16.	16.9	17.1	17.8	19.1	20.1	21.2	22.1	23.5	24.2	25.2
	56	95	353	240	41	838	674	484	204	405	20	66	17	24	72	29	24	62	87	76
NORTH	9.53	9.31	9.1	8.8	8.67	8.4	8.2	7.9	7.7	7.6	7.53	7.39	7.42	7.55	7.71	7.84	8.03	8.43	8.93	9.86
EASTERN	2	8	18	90	2	41	45	75	62	17	7	2	4	1	9	3	5	9	2	2
REGION			-				_	_	_							_				
Arunachal	12.4	12.1	11.	11.	11.3	11.	10.	10.	10.	9.6	9.48	9.33	9.44	9.41	9.49	9.57	9.97	10.8	11.5	13.5
Pradesh	95	97	905	621	43	073	808	550	231	34	3	2	3	2	8	0	7	00	65	44
Assam	8.84	8.69	8.5	8.3	8.14	7.9	7.7	7.5	7.3	7.2	7.13	6.97	6.99	7.16	7.26	7.38	7.55	7.82	8.16	8.87
	8	3	34	32	2	30	85	29	17	03	0	4	9	0	9	4	5	8	4	4
Manipur	7.04	6.81	6.6	6.5	6.45	6.3	5.8	5.4	5.2	5.0	4.88	4.73	4.52	4.33	4.47	4.33	4.31	4.73	5.41	6.33
1	4	3	66	22	5	16	98	28	61	36	2	2	8	3	7	9	1	2	7	9
Meghalaya	16.4	15.9	15.	15.	14.6	14.	13.	13.	13.	12.	12.7	12.6	12.4	12.2	12.5	12.6	12.7	13.2	13.9	15.1
	27	70	526	095	75	347	948	560	246	868	07	11	45	16	40	57	58	91	47	36
Mizoram	17.2	16.6	16.	15.	15.1	14.	14.	13.	13.	13.	12.9	12.5	13.0	13.4	13.7	13.9	13.8	14.9	16.0	18.0
	33	88	160	649	54	675	211	936	416	078	11	86	36	56	01	25	51	88	60	94
Nagaland	8.28	7.85	7.4	6.9	6.61	6.1	5.9	5.6	5.6	5.6	5.75	5.73	6.10	6.32	6.61	6.97	7.34	8.32	9.52	10.7
	1	7	54	73	5	88	54	49	31	13	2	4	7	1	2	9	3	0	2	93
Tripura	10.2	9.87	9.6	9.4	9.23	9.0	8.8	8.6	8.4	8.3	8.20	8.06	8.09	8.32	8.78	9.02	9.51	10.2	11.0	12.7
mpulu	06	3	55	94	4	31	32	84	44	46	5	5	6.05	8	7	5.02	8	10	87	49
EASTERN	9.55	9.39	9.2	9.0	8.91	8.7	8.5	8.4	8.2	8.0	7.98	7.86	7.86	8.02	8.14	8.36	8.61	9.08	9.48	10.2
REGION	8	0	02	60	0.71	48	67	03	01	.58	3	2	7.00	1	6	0.00	2	6	8	83
Bihar	9 21	9.02	88	86	8.50	83	81	79	77	75	7 44	7 27	7 20	7 25	735	7.62	7 80	8 23	864	947
Dilai	9.21	9.02	34	76	4	12	27	39	35	68	2	4	5	7.20	8	0	1.00	3	5	9
REGION /	-	-	01		-			01	00	00	Yea	rs	0	-	Ű	0	-	0	0	
STATE/	199	199	199	199	199	199	200	200	200	200	200	200	200	200	200	200	201	201	201	2013
UNION	4-	5-	6-	7-	8-	9-	0-	1-	2-	3-	4-	5-	6-	7-	8-	9-10	0-	1-	2-	-14
TERRITORY	95	96	97	98	<u>9</u> 9	00	01	02	03	04	05	06	07	08	09		11	12	13	
Orissa	101	10.0	98	97	9.67	9.5	93	92	90	89	8.86	8.80	8.99	9.38	9.72	10.0	10.3	11 1	11 7	129
21000	82	22	10	35	2.07	23	47	20	39	01	4	0.00	4	4	7.72	39	71	46	19	06
Sikkim	15.5	14 9	14	13	134	14	13	13	13	13	14.6	14 5	15.4	17.6	, 171	174	18.9	20.0	21 5	24 3
	43		436	912	10.4 07	151	934	714	393	353	37	55	10.7	00	88		34	20.0 69	82	03
West Bengal	9.60	946	92	91	8 99	88	86	85	83	82	817	808	808	8 25	8 32	8 44	873	912	943	9 98
	7.00	4	99	52	2	57	81	33	27	10	3	6	8	5	2	1	6	4	0	9

Table 2(a): Extent of Demographic Availability of Bank (SCBs) Branches in India.

4 1 0	45.0	45.0	4.4	4.4	40 5	10	40	40	40	40	10 (100	40.0	10 (40.4	40.0	440	45.0	40.4	10.0
Andaman &	15.2	15.2	14.	14.	13.7	13.	12.	12.	12.	12.	12.6	12.8	13.8	13.6	13.4	13.2	14.8	15.9	18.1	19.9
Nicobar	61	39	726	230	51	288	841	408	235	454	64	65	05	12	22	35	14	98	75	50
Islands																				
CENTRAL	10.1	9.99	9.8	9.6	9.53	9.3	9.1	8.9	8.7	8.5	8.45	8.29	8.29	8.57	8.82	9.13	9.36	10.0	10.5	11.4
REGION	82	8	25	64	3	21	49	93	45	66	0	2	9	7	1	8	9	04	40	60
Madhya	10.5	10.2	10.	9.8	9.73	9.5	9.3	9.1	8.8	8.6	8.51	8.29	8.27	8.48	8.75	9.01	9.20	9.76	10.2	11.0
Pradesh	35	94	121	99	6	43	63	43	70	54	8	2	5	3	6	5	6	2	45	70
Uttar Pradesh	10.0	9.85	9.6	9.5	9.43	9.2	9.0	8.9	8.6	8.5	8.41	8.29	8.31	8.62	8.85	9.19	9.45	10.1	10.6	11.6
	10	5	81	50	4	14	45	20	84	23	7	3	0	4	2	8	0	22	84	52
WESTERN	11.6	11.5	11.	11.	11.1	10.	10.	10.	10.	10.	10.0	9.96	10.0	10.3	10.7	11.2	11.6	12.4	13.1	14.1
REGION	84	07	408	285	95	973	813	546	292	138	92	2	49	90	19	08	60	48	42	05
Goa	31.5	31.8	31.	33.	33.3	33.	33.	33.	33.	32.	33.5	33.7	34.8	37.3	38.2	39.8	41.7	45.7	49.4	54.2
	19	07	963	065	78	256	530	286	084	979	41	07	90	31	52	64	89	70	77	04
Gujarat	12.5	12.2	12.	11.	11.7	11.	11.	11.	10.	10.	10.4	10.3	10.4	10.7	11.1	11.5	12.1	12.9	13.9	15.0
	94	44	084	882	40	548	394	030	754	583	53	05	28	89	11	89	40	76	07	65
Maharashtra	10.8	10.7	10.	10.	10.5	10.	10.	9.9	9.7	9.5	9.55	9.43	9.48	9.79	10.1	10.6	10.9	11.7	12.2	13.0
	90	97	730	631	63	327	159	47	07	63	6	3	9	3	21	04	87	10	43	59
SOUTHERN	12.5	12.4	12.	12.	12.2	12.	12.	11.	11.	11.	11.6	11.5	11.8	12.4	12.8	13.4	13.9	14.9	16.0	17.2
REGION	40	76	385	285	41	141	015	853	717	608	63	91	17	04	63	27	34	99	09	12
Andhra	10.9	10.8	10.	10.	10.5	10.	10.	10.	10.	10.	10.1	10.0	10.1	10.8	11.3	11.9	12.4	13.4	14.4	15.3
Pradesh	26	24	726	631	71	520	397	287	186	075	11	34	83	23	00	27	32	36	00	91
Karnataka	14.7	14.6	14.	14.	14.2	14.	13.	13.	13.	13.	13.2	13.1	13.3	13.7	14.1	14.5	14.8	15.8	16.9	18.3
	89	62	499	348	68	099	893	648	426	274	96	57	27	69	38	69	06	51	32	13
Kerala	14.6	14.6	14.	14.	14.5	14.	14.	14.	14.	14.	14.9	15.0	15.5	16.2	16.7	17.4	18.5	19.6	21.0	22.5
	60	47	607	584	85	518	501	529	604	730	70	90	54	15	36	74	15	00	86	61
Tamil Nadu	11.5	11.5	11.	11.	11.3	11.	11.	10.	10.	10.	10.4	10.3	10.6	11.2	11.7	12.2	12.7	13.8	14.6	15.8
	19	16	459	355	25	197	074	825	619	443	59	64	13	26	09	26	10	74	80	71
Pondicherry	12.4	12.4	12.	11.	12.2	12.	12.	11.	11.	11.	11.6	11.5	12.1	13.2	14.7	16.1	17.2	18.0	19.1	20.4
	09	29	280	976	86	721	406	817	618	155	12	32	79	52	15	96	55	29	56	03
ALL-INDIA	11.3	11.1	11.	10.	10.7	10.	10.	10.	10.	9.8	9.86	9.74	9.85	10.2	10.5	10.9	11.3	12.0	12.8	13.8
	16	70	028	896	86	602	433	251	045	99	1	7	1	18	12	20	02	85	00	45

Note: Demographic Availability is the number of branches of Scheduled Commercial Banks (SCBs) per 1,00,000 adults. Source: Based on data provided in Basic Statistical Returns of Scheduled Commercial Banks (various issues) and Census of India Reports (1991, 2001 and 2011).

Descriptive	19 94 - 95	199 5- 96	199 6- 97	199 7- 98	199 8- 99	199 9- 00	200 0- 01	200 1- 02	200 2- 03	200 3- 04	200 4- 05	200 5- 06	200 6- 07	200 7- 08	200 8- 09	200 9- 10	201 0- 11	201 1- 12	201 2- 13	201 3- 14
Mean	13 .5 27	13. 351	13. 185	13. 041	12. 908	12. 726	12. 505	12. 261	12. 071	11. 942	12. 021	11. 966	12. 252	12. 808	13. 189	13. 676	14. 216	15. 238	16. 271	17. 712
Min	7. 04 4	6.8 13	6.6 66	6.5 22	6.4 55	6.1 88	5.8 98	5.4 28	5.2 61	5.0 36	4.8 82	4.7 32	4.5 28	4.3 33	4.4 77	4.3 39	4.3 11	4.7 32	5.4 17	6.3 39
Max	31 .5 19	31. 807	32. 526	33. 065	33. 445	33. 359	33. 530	33. 286	33. 084	33. 196	34. 265	35. 131	36. 792	39. 886	41. 483	43. 127	43. 649	46. 031	49. 477	54. 204
Median	12 .4 09	12. 197	11. 905	11. 621	11. 343	11. 197	11. 074	10. 825	10. 619	10. 443	10. 453	10. 305	10. 428	10. 823	11. 300	11. 927	12. 432	13. 291	13. 947	15. 136
Standard Deviation	5. 40 5	5.5 05	5.6 42	5.8 23	5.9 27	5.9 37	5.9 34	5.8 81	5.9 52	6.0 47	6.2 61	6.4 12	6.7 55	7.3 75	7.6 30	7.9 92	8.2 70	8.8 77	9.3 88	10. 007

Coefficient of Variation (%)	40 .0 0	41 .2 0	42 .8 0	44 .7 0	45 .9 0	46 .7 0	47 .5 0	48 .0 0	49 .3 0	50 .6 0	52 .1 0	53 .6 0	55 .1 0	57 .6 0	57 .9 0	58 .4 0	58 .2 0	58 .3 0	57 .7 0	56 .5 0
All-India demographic availability of banking services	11	11. 170	11. 028	10. 896	10. 786	10. 602	10. 433	10. 251	10. 045	9.8 99	9.8 61	9.7 47	9.8 51	10. 218	10. 512	10. 920	11. 302	12. 085	12. 800	13. 845
Total Number of Observations	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
Number of States/UTS/Regi ons with demographic availability greater than mean value	13	13	13	13	13	13	13	13	13	13	13	13	12	13	13	12	12	12	12	13
Number of States/UTS/Regi ons with demographic availability less than mean value	22	22	22	22	22	22	22	22	22	22	22	22	23	22	22	23	23	23	23	22
Number of States/UTS/Regi ons with demographic availability greater than all- India availability of banking services	21	21	21	21	21	20	20	21	21	20	20	20	20	20	20	20	20	20	20	20
Number of States/UTS/Regi ons with demographic availability less than all-India availability of banking services	14	14	14	14	14	15	15	14	14	15	15	15	15	15	15	15	15	15	15	15
Skewness	2. 11 7	2.2 06	2.3 20	2.4 23	2.4 88	2.4 92	2.5 13	2.4 81	2.5 26	2.5 56	2.5 53	2.5 79	2.5 64	2.5 86	2.5 94	2.5 57	2.4 58	2.4 62	2.4 19	2.4 04
Kurtosis	5. 12 1	5.6 01	6.1 80	6.6 84	7.0 25	7.1 03	7.2 41	7.1 33	7.3 06	7.4 34	7.4 15	7.5 36	7.4 63	7.5 79	7.6 37	7.4 47	6.9 12	6.9 29	6.7 54	6.7 59
Jarque Bera	55 .9 30	64. 135	75. 054	85. 434	92. 720	94. 133	97. 051	94. 344	98. 541	101 .63 4	101 .20 7	104 .05 8	102 .32 8	105 .04 1	106 .29 9	101 .86 1	90. 040	90. 421	86. 402	86. 031
Probability	0. 00 0	0.0 00	0.0 00	0.0 00	0.0 00	0.0 00	0.0 00	0.0 00	0.0 00	0.0 00	0.0 00	0.0 00								

Source: Author's own calculations based on Table 1 (a).

Table 3: Growth Rates of Demographic Availability of Bank Branches

REGION/STATE/UNION TERRITORY	Average Annual Growth Rate 1994-95 to 1998-99	Average Annual Growth Rate 1999-00 to 2003-04	Average Annual Growth Rate 2004-05 to 2008-09	Average Annual Growth Rate 2009-10 to 2013-14	CAGR
NORTHERN REGION	-1.157	-1.059	2.791	7.096	1.106*(2.945)
Harvana	-0.995	-0.555	4.666	9.839	2.224*(4.631)
Himachal Pradesh	-1.833	-1.579	2.723	5.967	0.602***(1.78)
Jammu & Kashmir	-2.027	-1.358	0.493	8.365	0.200(0.445)
Punjab	-0.177	-0.596	3.187	9.114	1.715*(4.376)
Rajasthan	-1.714	-2.026	1.177	5.642	0.000(-0.224)
Chandigarh	1.595	0.563	4.726	3.566	2.429*(10.513)
Delhi	-1.382	0.113	4.660	4.465	1.918*(5.416)
NORTH-EASTERN REGION	-2.403	-2.236	0.810	5.932	-0.399(-1.233)
Arunachal Pradesh	-2.388	-3.041	0.188	9.174	-0.598(-1.407)
Assam	-2.167	-2.100	0.716	4.728	-0.499(-1.664)
Manipur	-2.156	-5.000	-2.286	10.153	-2.078*(-4.258)
Meghalaya	-2.671	-2.397	-0.064	4.609	-0.995*(-3.346)
Mizoram	-3.163	-2.526	1.547	6.874	-0.399(0.912)
Nagaland	-5.660	-1.412	3.968	11.581	1.005(1.36)
Tripura	-2.416	-1.899	1.954	9.078	0.401(0.947)
EASTERN REGION	-1.755	-1.812	0.940	5.327	-0.100(-0.389)
Bihar	-2.050	-2.186	0.492	5.642	-0.499(-1.506)
Orissa	-1.327	-1.422	2.536	6.511	0.803**(2.24)
Sikkim	-1.793	0.773	3.788	8.591	2.327*(5.511)
West Bengal	-1.613	-1.591	0.653	4.304	-0.200(-0.649)
Andaman & Nicobar Islands	-2.723	-0.932	0.942	10.825	0.803(1.689)
CENTRAL REGION	-1.750	-1.942	1.600	5.849	0.100(0.225)
Madhya Pradesh	-1.959	-2.246	1.167	5.290	-0.300(-0.829)
Uttar Pradesh	-1.643	-1.791	1.812	6.116	0.200(0.719)
WESTERN REGION	-1.248	-1.656	2.140	5.923	0.501(1.468)
Goa	1.087	0.175	3.537	8.002	2.327*(7.424)
Gujarat	-1.717	-1.969	2.105	6.785	0.401(1.104)
Maharashtra	-1.055	-1.537	2.126	5.353	0.501(1.522)
SOUTHERN REGION	-0.644	-0.799	2.878	6.417	1.207*(3.732)
Andhra Pradesh	-0.756	-0.788	3.393	6.592	1.410*(3.935)
Karnataka	-0.952	-1.164	1.859	5.916	0.602***(2.063)
Kerala	-0.195	0.617	3.150	6.598	2.020*(6.947)
Tamil Nadu	-0.565	-1.351	3.198	6.760	1.207*(3.193)
Pondicherry	0.522	-1.760	6.967	5.946	2.429*(5.043)
ALL-INDIA	-1.295	-1.437	2.080	6.127	0.602(1.703)

Source: Based on data provided in Table 2(a).

Notes: CAGR is the Compounded Annual Growth Rate; All figures are in percentage form; Figures in parenthesis indicate t-values; *, **, *** indicate significance at 99 per cent, 95 per cent and 90 per cent confidence levels, respectively.

• Geographic Availability

Tables 4(a) and (b) reflect a surge in geographic branch penetration of the country from 19.402 branches per 1000 square kilometers in 1994-95, to 36.772 in 2013-14. However, the geographic penetration score of the country indicates that people have to travel considerable distance to avail banking services. The mean geographic penetration score more than doubled from 85.621 in 1994-95, to 215.576 in 2013-14. While the maximum value for geographic penetration soared from 1315.789 in 1994-95, to 1938.596 in 2003-04, and 3578.947 in 2013-14; the minimum value could only increase scantily from 0.824 in 1994-95 to 1.528 in 2013-14. This, therefore, testifies presence and inter-region/state increase in the discrepancies. Owing to increase in the gap between the best and worst geographically included regions and states (and UTs), the indicator of the inter-region/state variability (CV), rose from an already high 300 per cent in 1994-95 to 321.11 per cent in 2013-14.

Region-wise analyses reveal that the branch availability geographic in the Southern, Eastern and Western regions is high, and also greater than (or equal to) the geographic availability of bank branches in India as a whole. North Eastern region, owing to a deficient bank network, exhibited not only the least, but also inadequate geographic branch penetration. In addition to the inter-region variability, existence of intra-region discrepancy was found to be acute in the Northern region. In the Northern region, the geographic penetration of Chandigarh (348.947 in 2013-14) and Delhi, (2194.875 in 2013-14) was found to be in sharp contrast to that of Jammu and Kashmir (6.907 in 2013-14) and Rajasthan (17.260 in 2013-14). Reflecting the poorest level of geographic bank access, bank availability in Arunachal Pradesh was found to be less than one (per 1000 kilometer square) for most of the years.

Table 5 reflects a growth rate (CAGR) of 2.942 per cent in geographical branch availability for the country as a whole. The Northern (3.769 per cent) and Southern (3.149 per cent) regions exhibited CAGRs greater than the growth rate (CAGR) in geographic availability for India as a whole. Not only was the geographic availability poorest in the North East, similar was the position of its growth rate (CAGR 1.918 per cent). The states and UTs of Pondicherry (5.338 per cent), Sikkim (5.232 per cent), Delhi (5.232 per cent), Chandigarh (5.232 per cent), Haryana (5.127 per cent), Punjab (3.977 per cent), Goa (3.769 per cent), Andhra Pradesh (3.355 per cent), Tamil Nadu (3.045 per cent) and Kerala (3.045 per cent) exhibited CAGRs, greater than the all-India value (CAGR). Experiencing growth from 3.941 bank branches per 1000 km square in 1994-95, to 6.002 in 2013-14; the state of Manipur exhibited the poorest CAGR of 0.803 per cent. Period-wise analysis revealed that the regions/UTs/states experienced higher average annual growth during 2004-05 to 2008-09, and 2009-10 to 2013-14. The average annual growth rates during all earlier years were found to be very low.

Table 4 (a): Extent of Geographic Availability of Bank (SCBs) Branches in India.

REGION/										Year	rs									
STATE/																				
UNION	1994-95	1995- 96	1996- 97	1997- 98	1998- 99	1999-	2000-	2001-	2002-	2003-04	2004-	2005-	2006-	2007-	2008-	2009-	2010-	2011-	2012-	2013-
TERRITORY		,0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	50	,,,	00	01	02	00		00	00	0/	00	05	10			10	
NORTHERN	10 745	12,000	14.005	14500	14704	14.004	15.000	15 201	15 450	15 (0)	16144	16 500	17200	10 (02	10 (11	21.0(2	22 582	24.000	07 475	20.712
REGION	13.745	13.990	14.235	14.520	14.794	14.904	15.060	15.291	15.458	15.696	16.144	16.502	17.309	18.602	19.641	21.062	22.382	24.996	27.475	30.713
Haryana	30.874	31.304	31.960	33.045	33.814	34.108	34.583	35.443	36.325	37.094	38.270	39.899	42.251	46.187	49.579	55.143	60.843	68.352	77.174	89.614
Himachal Pradesh	13.813	13.831	13.867	14.028	14.100	14.136	14.136	14.208	14.280	14.280	14.495	14.729	15.465	16.256	17.190	18.267	19.345	20.908	22.704	24.895
Jammu &	3.627	3.631	3.645	3.672	3.712	3.721	3.730	3.802	3.807	3.852	3.937	3.928	4.023	4.266	4.428	4.558	4.684	5.391	6.138	6.907
Runiah	45 372	46722	17 953	49164	50.097	50 594	51.050	51 924	52 778	53 473	54 883	56.074	58 814	62.845	66.002	71 383	77 340	86 295	96 38 2	110 1/3
T uijab Rajasthan	9.406	9.569	9,660	9.727	9.824	0.832	9.873	0.011	9940	0,000	10171	10.262	10.668	11 334	11 784	12 305	13 169	14.423	15,659	17 260
Chandigarh	1315.7	1394.73	1500.00	1578.94	1666.66	1728.07	1763.15	1789.47	1859.64	1938.59	2043.86	2140.35	2289.47	2535.08	2692.98	2859.64	2956.14	3184.21	3359.64	3578.94
Chandigarn	89	7	0	7	7	0	8	4	9	6	0	1	4	8	2	9	0	1	9	7
Delhi	844.23 5	858.395	883.345	915.711	955.496	973.702	1006.06 9	1037.76 1	1047.87 6	1089.68 3	1154.41 7	1202.96 7	1282.53 5	1414.02 6	1532.03 0	1656.10 2	1772.75 8	1939.31 2	2053.27 0	2194.87 5
NORTH EASTERN REGION	7.578	7.590	7.609	7.601	7.598	7.578	7.586	7.519	7.488	7.519	7.613	7.641	7.852	8.174	8.550	8.891	9.322	10.020	10.855	12.267
Arunachal Pradesh	0.824	0.824	0.824	0.824	0.824	0.824	0.824	0.824	0.824	0.800	0.812	0.824	0.860	0.884	0.919	0.955	1.027	1.146	1.266	1.528
Assam	16.064	16.140	16.204	16.178	16.166	16.102	16.166	15.987	15.898	16.013	16.217	16.229	16.663	17.441	18.116	18.830	19.710	20.895	22.298	24.797
Manipur	3.941	3.897	3.897	3.897	3.941	3.941	3.762	3.538	3.538	3.494	3.494	3.494	3.449	3.404	3.628	3.628	3.717	4.210	4.972	6.002
Meghalaya	8.025	8.025	8.025	8.025	8.025	8.070	8.070	8.070	8.114	8.114	8.248	8.427	8.560	8.650	9.140	9.497	9.853	10.567	11.414	12.751
Mizoram	3.747	3.747	3.747	3.747	3.747	3.747	3.747	3.795	3.747	3.747	3.795	3.795	4.032	4.269	4.459	4.649	4.744	5.265	5.787	6.688
Nagaland	4.343	4.343	4,343	4.283	4.283	4.222	4.283	4.283	4.283	4.283	4.403	4.403	4.705	4.886	5.127	5.429	5,730	6.514	7.479	8,505
Tripura	17.643	17.452	17.452	17.547	17.452	17.452	17.452	17.547	17.452	17.643	17.738	17.833	18.310	19.264	20.790	21.839	23.555	25.844	28.705	33.759
EASTERN	26.810	26.946	27.015	27.214	27.380	27.502	27.555	27.652	27.617	27.769	28.157	28.380	29.061	30.326	31.521	33.110	34.906	37.689	40.281	44.678
REGION Bihar	28.670	28.773	28.848	29.032	29.159	29.205	29.262	29.291	29.279	29.394	29.659	29.745	30.228	31.240	32.500	34.530	36.273	39.281	42.317	47.608
Orissa	13 994	14 046	14 020	14 187	14 373	14 431	14 444	14.527	14 521	14.579	14 803	14 983	15613	16 608	17.552	18 471	19453	21 316	22 851	25.657
Sikkim	5.919	5.919	5.919	5.919	5.919	6.483	6.623	6.764	6.764	6.905	7.751	7.892	8,596	10.006	10.006	10.428	11,556	12.542	13.811	15.924
West Bengal	49 475	49.835	50.072	50 388	50.624	50 985	51 097	51.357	51 221	51.616	52 517	53 103	54 286	56.630	58 342	60.483	63.976	68 291	72 134	78 094
Andaman &	17.175	47,000	50.072	50.500	50.024	50.705	01.077	01.007	01.221	51.010	52.517	00.100	04.200	00.000	00.042	00.400	00.070	00.271	72.104	70.074
Nicobar Islands	3.637	3.758	3.758	3.758	3.758	3.758	3.758	3.758	3.758	3.879	4.000	4.122	4.485	4.485	4.485	4.485	5.092	5.576	6.425	7.152
CENTRAL REGION	18.002	18.085	18.180	18.294	18.460	18.466	18.542	18.645	18.617	18.726	18.968	19.115	19.643	20.848	22.015	23.419	24.658	27.035	29.248	32.657
Madhya Pradesh	10.128	10.125	10.186	10.193	10.258	10.288	10.328	10.319	10.285	10.310	10.425	10.427	10.691	11.260	11.941	12.631	13.251	14.437	15.567	17.281
Uttar Pradesh	29.863	30.074	30.220	30.495	30.814	30.783	30.913	31.184	31.167	31.402	31.836	32.200	33.127	35.291	37.190	39.669	41.839	46.011	49.855	55.817
WESTERN REGION	19.340	19.545	19.886	20.188	20.550	20.670	20.903	20.923	20.881	21.033	21.413	21.614	22.298	23.577	24.874	26.598	28.297	30.894	33.356	36.611
Goa	75.095	77.256	79.146	83.468	85.900	87.250	89.681	90.762	91.302	92.112	94.814	96.434	101.026	109.40 0	113.452	119.665	126.958	140.735	153.971	170.719
Gujarat	18.289	18.238	18.462	18.620	18.870	19.038	19.268	19.130	19.084	19.217	19.421	19.589	20.283	21.472	22.625	24.145	25.879	28.303	31.037	34.399
Maharashtra	19.339	19.684	20.080	20.425	20.834	20.909	21.117	21.224	21.179	21.335	21.800	22.004	22.635	23.886	25.241	27.041	28.650	31.224	33.382	36.407
SOUTHERN REGION	27.171	27.542	27.856	28.153	28.581	28.882	29.123	29.272	29.467	29.728	30.418	30.787	31.966	34.171	36.092	38.369	40.554	44.461	48.337	52.933
Andhra Pradesh	17.881	18.066	18.259	18.459	18.721	19.001	19.153	19.328	19.491	19.633	20.066	20.280	20.960	22.687	24.123	25.930	27.526	30.297	33.067	35.994
Karnataka	23.583	23.927	24.214	24.521	24.954	25.236	25.450	25.585	25.742	26.028	26.664	26.988	27.958	29.543	31.023	32.697	33.985	37.212	40.654	44.971
Kerala	80.256	81.337	82.289	83.344	84.553	85.377	86.509	87.924	89.108	90.626	92.865	94.383	98.088	103.10 6	107.300	112.961	120.680	128.811	139.722	150.735
Tamil Nadu	35.776	36.353	36.768	37.030	37.537	37.722	37.922	37.675	37.691	37.799	38.606	39.013	40.743	43.950	46.748	49.778	52.776	58.751	63.395	69.892
Pondicherry	154.48	158.664	160.752	160.752	169.102	179.541	179.541	175.365	177.45	175.365	187.891	192.067	208.768	233.82	267.223	302.714	331.942	356.994	390.397	427.975
	9 19 409	19.602	19.802	20.019	20 277	20 394	20.535	20.648	3 20 702	20.875	21 278	21 523	22.258	23.626	24 873	26 4 4 1	28.007	30.645	33 220	36 772
	17.107	17.000	17.002	-0.017	-0.277	-0.074	-0.000	-0.010	-0.004	-0.070			00	-0.020		-0.111	20.007	55.515	55.220	20012

Note: Geographic Availability is the number of branches of Scheduled Commercial Banks (SCBs) per 1,000 square kilometers of area.

Source: Based on data provided in Basic Statistical Returns of Scheduled Commercial Banks (various issues); Census of India Reports (1991, 2001 and 2011).

Descriptive	1994	199	199	199	199	199	200	200	200	200	200	200	200	200	200	200	201	201	201	201
	-95	5-96	6-97	7-98	8-99	9-00	0-01	1-02	2-03	3-04	4-05	5-06	6-07	7-08	8-09	9-10	0-11	1-12	2-13	3-14
Mean	85.6	88.6	92.6	96.1	100.	103.	105.	106.	109.	112.	118.	123.	131.	143.	153.	164.	173.	188.	200.	215.
	21	39	48	53	311	044	164	859	317	907	588	157	012	939	961	840	508	235	315	576
Min	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.80	0.81	0.82	0.86	0.88	0.91	0.95	1.02	1.14	1.26	1.52
	4	4	4	4	4	4	4	4	4	0	2	4	0	4	9	5	7	6	6	8
Max	1315	1394	1500	1578	1666	1728	1763	1789	1859	1938	2043	2140	2289	2535	2692	2859	2956	3184	3359	3578
	.789	.737	.000	.947	.667	.070	.158	.474	.649	.596	.860	.351	.474	.088	.982	.649	.140	.211	.649	.947
Median	18.0	18.0	18.2	18.4	18.7	19.0	19.1	19.1	19.0	19.2	19.4	19.5	20.2	21.4	22.6	24.1	25.8	28.3	31.0	34.3
	02	85	59	59	21	01	53	30	84	17	21	89	83	72	25	45	79	03	37	99
Standard Deviation	256.	268.	286.	300.	316.	326.	334.	340.	351.	366.	386.	404.	432.	478.	511.	545.	568.	615.	649.	692.
	513	930	107	125	081	531	185	500	541	343	828	745	772	950	306	423	769	019	391	178
Coefficient of Variation (%)	299. 60	30 3.4 0	30 8.8 0	31 2.1 0	31 5.1 0	31 6.9 0	31 7.8 0	31 8.6 0	32 1.6 0	32 4.5 0	32 6.2 0	32 8.6 0	33 0.3 0	33 2.7 0	33 2.1 0	33 0.9 0	32 7.8 0	32 6.7 0	32 4.2 0	32 1. 10
All-India geographic availability of banking services	19.4 09	19.6 03	19.8 02	20.0 19	20.2 77	20.3 94	20.5 35	20.6 48	20.7 02	20.8 75	21.2 78	21.5 23	22.2 58	23.6 26	24.8 73	26.4 41	28.0 07	30.6 45	33.2 20	36.7 72
Total Number of Observations	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
Number of States/UTS/Regio ns with geographic availability greater than mean value	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Number of States/UTS/Regio ns with geographic availability less than mean value	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
Number of States/UTS/Regio ns with geographic availability greater than all-India availability of banking services.	14	15	16	16	16	16	16	16	16	16	16	16	16	15	16	16	16	16	16	14
Number of States/UTS/Regio ns with geographic availability less than all-India availability of banking services.	21	20	19	19	19	19	19	19	19	19	19	19	19	20	19	19	19	19	19	21
Skewness	4.22	4.28	4.35	4.38	4.39	4.41	4.40	4.38	4.42	4.43	4.42	4.43	4.44	4.44	4.41	4.38	4.33	4.30	4.30	4.29
	9	7	4	0	7	9	4	5	7	6	8	8	1	7	4	4	0	9	0	1
Kurtosis	17.9	18.6	19.3	19.5	19.7	20.0	19.8	19.6	20.0	20.1	20.0	20.1	20.1	20.2	19.9	19.5	19.0	18.7	18.7	18.6
	70	02	15	82	66	22	37	08	72	41	59	50	95	58	12	95	20	89	08	32
Jarque Bera	481.	511.	546.	559.	569.	582.	572.	561.	585.	588.	584.	589.	591.	594.	576.	560.	531.	520.	516.	512.
	192	189	285	848	209	304	866	295	099	792	555	338	664	950	884	618	821	545	483	724
Probability	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 4(b): Descriptive Statistics of Geographic Availability of Bank (SCBs) Branches

Source: Author's own calculation based on table 3(a).

Table 5: Growth Rates of Geographic Availability of Bank Branches.

TERRITORY	Average Annual Growth Rate 1994-95 to 1998-99	Average Annual Growth Rate 1999-00 to 2003-04	Average Annual Growth Rate 2004-05 to 2008-09	Average Annual Growth Rate 2009-10 to 2013- 14	CAGR
NORTHERN REGION	1.633	1.613	5.480	9,902	3.769*(10.385)
Harvana	2.016	2.331	7.607	12.926	5.127*(10.879)
Himachal Pradesh	0.465	0.505	4.747	8.055	2.737*(7.814)
Jammu & Kashmir	0.516	1.138	2.992	11.060	2.737*(7.103)
Punjab	2.205	1.642	5.417	11.472	3.977*(10.177)
Rajasthan	0.892	0.682	4.049	8.640	2.737*(7.967)
Chandigarh	5.610	3.424	6.967	5.782	5.232*(33.219)
Delhi	2.900	3.476	7.503	7.303	5.232*(18.604)
NORTH-EASTERN REGION	0.000	0.096	3.164	8.417	1.918*(5.743)
Arunachal Pradesh	0.000	-0.281	3.309	12.575	2.327*(5.093)
Assam	0.048	0.146	3.046	7.151	1.816*(5.979)
Manipur	0.003	-2.353	0.800	13.632	0.803(1.495)
Meghalaya	0.111	0.440	2.873	7.683	1.918*(6.617)
Mizoram	0.000	0.256	4.166	9.631	2.429*(6.348)
Nagaland	-0.559	0.849	4.303	11.941	2.840*(6.032)
Tripura	-0.216	0.327	4.277	11.564	2.737*(5.934)
EASTERN REGION	0.511	0.473	3.305	7.798	2.224*(7.266)
Bihar	0.370	0.310	3.108	8.393	2.020*(6.272)
				0.0.0	
REGION / STATE / UNION TERRITORY	Average Annual	Average Annual Growth Rate	Average Annual Growth	Average Annual Growth Rate	CAGR
REGION/STATE/UNION TERRITORY	Average Annual Growth	Average Annual Growth Rate 1999-00 to 2003-04	Average Annual Growth Rate 2004-05 to	Average Annual Growth Rate 2009-10 to 2013-	CAGR
REGION/STATE/UNION TERRITORY	Average Annual Growth Rate 1994-95	Average Annual Growth Rate 1999-00 to 2003-04	Average Annual Growth Rate 2004-05 to 2008-09	Average Annual Growth Rate 2009-10 to 2013- 14	CAGR
REGION/STATE/UNION TERRITORY	Average Annual Growth Rate 1994-95 to 1998-99	Average Annual Growth Rate 1999-00 to 2003-04	Average Annual Growth Rate 2004-05 to 2008-09	Average Annual Growth Rate 2009-10 to 2013- 14	CAGR
REGION/STATE/UNION TERRITORY	Average Annual Growth Rate 1994-95 to 1998-99 0.618	Average Annual Growth Rate 1999-00 to 2003-04 0.513	Average Annual Growth Rate 2004-05 to 2008-09 4.542	Average Annual Growth Rate 2009-10 to 2013- 14 8.594	CAGR 2.737*(7.860)
REGION/STATE/UNION TERRITORY Orissa Sikkim	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191	CAGR 2.737*(7.860) 5.232*(14.297)
REGION/STATE/UNION TERRITORY Orissa Sikkim West Bengal Andreas & Nischer Llorde	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128)
REGION/STATE/UNION TERRITORY Orissa Sikkim West Bengal Andaman & Nicobar Islands	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603 0.667	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596 1.270	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871 2.371 4.220	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602 12.394	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128) 2.840*(7.394) 2.644*(7.394)
REGION/STATE/UNION TERRITORY Orissa Sikkim West Bengal Andaman & Nicobar Islands CENTRAL REGION Madhan Ban dash	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603 0.667 0.510	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596 1.270 0.540 0.540	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871 2.371 4.329 2.020	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602 12.394 8.692 9.174	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128) 2.840*(7.394) 2.634*(7.301) 2.237*(6.60)
REGION / STATE / UNION TERRITORY Orissa Sikkim West Bengal Andaman & Nicobar Islands CENTRAL REGION Madhya Pradesh Litter Bradesh	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603 0.667 0.510 0.315	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596 1.270 0.540 0.267	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871 2.371 4.329 3.939 4.520	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602 12.394 8.692 8.174	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128) 2.840*(7.394) 2.634*(7.301) 2.327*(6.600) 2.840*(7.67)
REGION / STATE / UNION TERRITORY Orissa Sikkim West Bengal Andaman & Nicobar Islands CENTRAL REGION Madhya Pradesh Uttar Pradesh Uttar Pradesh	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603 0.667 0.510 0.315 0.610	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596 1.270 0.540 0.540 0.267 0.676	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871 2.371 4.329 3.939 4.520	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602 12.394 8.692 8.174 8.938	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128) 2.840*(7.394) 2.634*(7.301) 2.327*(6.600) 2.840*(7.637) 2.040*(8.637)
REGION/STATE/UNION TERRITORY Orissa Sikkim West Bengal Andaman & Nicobar Islands CENTRAL REGION Madhya Pradesh Uttar Pradesh WESTERN REGION	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603 0.667 0.510 0.315 0.610 1.340 2.054	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596 1.270 0.540 0.267 0.676 0.711	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871 2.371 4.329 3.939 4.520 4.454	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602 12.394 8.692 8.174 8.938 8.323 0.207	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128) 2.840*(7.394) 2.634*(7.301) 2.327*(6.600) 2.840*(7.637) 2.942*(8.627) 2.942*(8.627)
REGION/STATE/UNION TERRITORY Orissa Sikkim West Bengal Andaman & Nicobar Islands CENTRAL REGION Madhya Pradesh Uttar Pradesh Uttar Pradesh WESTERN REGION Goa	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603 0.667 0.510 0.315 0.610 1.340 3.054	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596 1.270 0.540 0.267 0.676 0.676 0.711 1.681	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871 2.371 4.329 3.939 4.520 4.454 4.788	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602 12.394 8.692 8.174 8.938 8.323 9.307	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128) 2.840*(7.394) 2.634*(7.301) 2.327*(6.600) 2.840*(7.637) 2.942*(8.627) 3.769*(13.227) 2.840*(7.401)
REGION / STATE / UNION TERRITORY Orissa Sikkim West Bengal Andaman & Nicobar Islands CENTRAL REGION Madhya Pradesh Uttar Pradesh WESTERN REGION Goa Gujarat Mahamahtma	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603 0.667 0.510 0.315 0.610 1.340 3.054 0.809	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596 1.270 0.540 0.267 0.676 0.711 1.681 0.402	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871 2.371 4.329 3.939 4.520 4.454 4.454 4.788 4.471	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602 12.394 8.692 8.174 8.938 8.323 9.307 9.260	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128) 2.840*(7.394) 2.634*(7.301) 2.327*(6.600) 2.840*(7.637) 2.942*(8.627) 3.769*(13.227) 2.840*(7.491) 2.840*(7.491) 2.840*(0.101)
REGION / STATE / UNION TERRITORY Orissa Sikkim West Bengal Andaman & Nicobar Islands CENTRAL REGION Madhya Pradesh Uttar Pradesh WESTERN REGION Goa Gujarat Maharashtra SOUTHERN RECION	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603 0.667 0.510 0.315 0.610 1.340 3.054 0.809 1.575	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596 1.270 0.540 0.267 0.676 0.711 1.681 0.402 0.841 1.044	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871 2.371 4.329 3.939 4.520 4.454 4.454 4.774	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602 12.394 8.692 8.174 8.938 8.323 9.307 9.260 7.727 8.290	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128) 2.840*(7.394) 2.634*(7.301) 2.327*(6.600) 2.840*(7.637) 2.942*(8.627) 3.769*(13.227) 2.840*(7.491) 2.840*(7.491) 2.840*(9.191) 3.140*(9.211)
REGION / STATE / UNION TERRITORY Orissa Sikkim West Bengal Andaman & Nicobar Islands CENTRAL REGION Madhya Pradesh Uttar Pradesh WESTERN REGION Goa Gujarat Maharashtra SOUTHERN REGION	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603 0.667 0.510 0.315 0.610 1.340 3.054 0.809 1.575 1.229	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596 1.270 0.540 0.267 0.676 0.711 1.681 0.402 0.841 1.044	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871 2.371 4.329 3.939 4.520 4.454 4.454 4.4788 4.471 4.428 4.774	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602 12.394 8.692 8.174 8.938 8.323 9.307 9.260 7.727 8.389 8.554	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128) 2.840*(7.394) 2.634*(7.301) 2.327*(6.600) 2.840*(7.637) 2.942*(8.627) 3.769*(13.227) 2.840*(7.491) 2.840*(7.491) 2.840*(9.191) 3.149*(9.311) 2.355*(0.272)
REGION / STATE / UNION TERRITORY Orissa Sikkim West Bengal Andaman & Nicobar Islands CENTRAL REGION Madhya Pradesh Uttar Pradesh WESTERN REGION Goa Gujarat Maharashtra SOUTHERN REGION Andhra Pradesh	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603 0.667 0.510 0.315 0.610 1.340 3.054 0.809 1.575 1.229 1.222	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596 1.270 0.540 0.267 0.676 0.711 1.681 0.402 0.841 1.044 1.099	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871 2.371 4.329 3.939 4.520 4.454 4.454 4.788 4.471 4.428 4.774 5.296	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602 12.394 8.692 8.174 8.938 8.323 9.307 9.260 7.727 8.389 8.554 8.554 8.324	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128) 2.840*(7.394) 2.634*(7.301) 2.327*(6.600) 2.840*(7.637) 2.942*(8.627) 3.769*(13.227) 2.840*(7.491) 2.840*(7.491) 3.749*(9.311) 3.355*(9.272) 2.940*(9.272)
REGION / STATE / UNION TERRITORY Orissa Sikkim West Bengal Andaman & Nicobar Islands CENTRAL REGION Madhya Pradesh Uttar Pradesh Uttar Pradesh Goa Gujarat Maharashtra SOUTHERN REGION Andhra Pradesh Karnataka	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603 0.667 0.510 0.315 0.610 1.340 3.054 0.809 1.575 1.229 1.222 1.364	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596 1.270 0.540 0.267 0.676 0.711 1.681 0.402 0.841 1.044 1.099 1.110	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871 2.371 4.329 3.939 4.520 4.454 4.454 4.788 4.471 4.428 4.774 5.296 4.177	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602 12.394 8.692 8.174 8.938 8.323 9.307 9.260 7.727 8.389 8.554 8.554 8.326 7.491	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128) 2.840*(7.394) 2.634*(7.301) 2.327*(6.600) 2.840*(7.637) 2.942*(8.627) 3.769*(13.227) 2.840*(7.491) 2.840*(7.491) 2.840*(9.191) 3.149*(9.311) 3.355*(9.272) 2.942*(9.678) 3.045*(11.615)
REGION / STATE / UNION TERRITORY Orissa Sikkim West Bengal Andaman & Nicobar Islands CENTRAL REGION Madhya Pradesh Uttar Pradesh WESTERN REGION Goa Gujarat Maharashtra SOUTHERN REGION Andhra Pradesh Karnataka Kerala Tamil Nadu	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603 0.667 0.510 0.315 0.610 1.340 3.054 0.809 1.575 1.229 1.222 1.364 1.245	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596 1.270 0.540 0.267 0.676 0.711 1.681 0.402 0.841 1.044 1.099 1.110 1.696 0.469	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871 2.371 4.329 3.939 4.520 4.454 4.788 4.471 4.428 4.471 4.428 4.774 5.296 4.177 4.004	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602 12.394 8.692 8.174 8.938 8.323 9.307 9.260 7.727 8.389 8.554 8.554 8.326 7.481	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128) 2.840*(7.394) 2.634*(7.301) 2.327*(6.600) 2.840*(7.637) 2.942*(8.627) 3.769*(13.227) 2.840*(7.491) 2.840*(7.491) 3.749*(9.311) 3.355*(9.272) 2.942*(9.678) 3.045*(11.615) 3.045*(7.000)
REGION / STATE / UNION TERRITORY Orissa Sikkim Orissa Sikkim West Bengal Andaman & Nicobar Islands CENTRAL REGION Madhya Pradesh Uttar Pradesh Uttar Pradesh Uttar Pradesh WESTERN REGION Goa Gujarat Maharashtra SOUTHERN REGION Andhra Pradesh Karnataka Kerala Tamil Nadu Pondicherny Pondicherny	Average Annual Growth Rate 1994-95 to 1998-99 0.618 1.905 0.603 0.667 0.510 0.315 0.610 1.340 3.054 0.809 1.575 1.229 1.222 1.364 1.245 1.065 3.077	Average Annual Growth Rate 1999-00 to 2003-04 0.513 3.726 0.596 1.270 0.540 0.267 0.676 0.711 1.681 0.402 0.841 1.044 1.099 1.110 1.696 0.469 0.966	Average Annual Growth Rate 2004-05 to 2008-09 4.542 6.273 2.871 2.371 4.329 3.939 4.520 4.454 4.454 4.454 4.471 4.428 4.471 5.296 4.177 4.004 5.242	Average Annual Growth Rate 2009-10 to 2013- 14 8.594 11.191 6.602 12.394 8.692 8.174 8.938 8.323 9.307 9.260 7.727 8.389 8.554 8.326 7.481 8.874 9.046	CAGR 2.737*(7.860) 5.232*(14.297) 2.020*(8.128) 2.840*(7.394) 2.634*(7.301) 2.327*(6.600) 2.840*(7.637) 2.942*(8.627) 3.769*(13.227) 2.840*(7.491) 2.840*(7.491) 3.149*(9.311) 3.355*(9.272) 2.942*(9.678) 3.045*(11.615) 3.045*(7.900) 5.338*(10.431)

Notes: Based on data provided in Table 4(a); All figures are in percentage form; Figure in parenthesis indicate tvalues; * indicates significance at 99 per cent confidence levels.

Conclusion

Through the article, it becomes clear that there is a distinct presence of inter-state variation in terms of both indicators of availability of banking services. In addition to the inter region variability there is acute intra region variability in terms of the geographic availability of bank branches amongst the states of the Northern Region. While there are evidences for high availability in the Northern (typically in Chandigarh and Delhi), Western (typically in Goa) and Southern regions of the country; poor inclusion stance was reflected by the country's North-Eastern region. Additionally, although efforts to up-scale financial inclusion have been taking place in the country, they have not been able to adequately keep-pace with the population growth.

The need of the hour, therefore is to upscale the efforts to ensure financial access and availability, typically in the BIMARU and the North Eastern sister states of the country. For this, recognizing the need to spread greater financial literacy and awareness is pivotal to the stimulation of financial demand. Financial inclusion is inevitably a road that needs to transversed to actualize the country's objectives of development and prosperity. The task of financial inclusion, however does not end in opening bank branches and cajoling people to open a bank account, but involves actuating them to make full use of the services. This in turn will national development improve and productivity by ensuring full utilization of the economic potential by people in their productive years and then reaping its benefits when they retire.

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