

## India's Telecom Usage

2015-18

Data Guide - May 2019

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#### About Telecom Data Guide



With most of its urban population using more than one phone connection per person and rural teledensity shooting up, India's wireless telecom story has been remarkable. Before the wireline phones could reach the hinterlands of India, wireless took over in a big way.

Today, an Indian internet user is consuming nearly 9 GB data every month. The cost of this data has crashed. More and more people are now reachable via a mobile phone and internet. This has a significant impact on how business can be conducted and social impact programmes can be designed and delivered to reach maximum number of people in a cost-effective and timely manner.

#### This telecom data guide covers:

- Subscriber numbers : Wireline, wireless, rural and urban
- Teledensity: Rural and urban, service area-wise
- Internet users : Wireline, wireless, rural and urban
- Internet density: Rural and urban
- Data usage trends

#### Data Sources:

- Telecom Regulatory Authority of India (TRAI)
- Department of telecommunication
- UIDAI
- IDI analysis

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#### About Telecom Data Guide



This is a detailed telecom usage study designed to provide actionable insights on :

- regions of high and low teledensity
- regions of high and low internet density
- trends in data usage
- data cost trends
- gender split in connection ownership

This data guide is an essential tool if you are a:

- CSR practitioner working on creating effective programmes
- non-profit organisation / social enterprise looking to understand reach and usage of phones and internet
- policy maker/ researcher studying telecom usage trends

This Data Guide is produced by India Data Insights (www.IndiaDataInsights.com).

India Data Insights in an online portal delivering actionable data-driven insights to social sector professionals at a click of a button. We power sharper and quicker decision making, so that you can spend more time and resources on delivering better programmes and impact.

We are a part of Sattva Consulting (<u>www.Sattva.co.in</u>) and our work is powered by Sattva's decade-long experience in designing and delivering high impact programmes in emerging economies across the world.

## State of India's Telecom - Dec 2018





1335 M Population \*



1198 M Telephone Subscribers



2% Wireline

96%

Wireless

98% Wireless



56% Urban



Teledensity
Per 100 Population



604 M Internet Subscribers



4% Wireline



65% Urban



Internet density
Per 100 Population



## **Table of Content**

Section	Page
Telephone Subscribers	9
Internet Subscribers	35
Wireless Data Usage	54
<u>Notes</u>	5

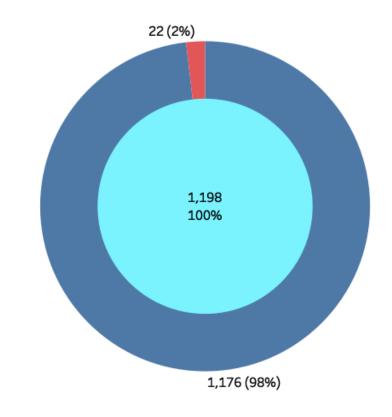
India's telephone subscriber base

98%

on wireless

2%

on wireline



Subscriber Type
Wireless
Wireline

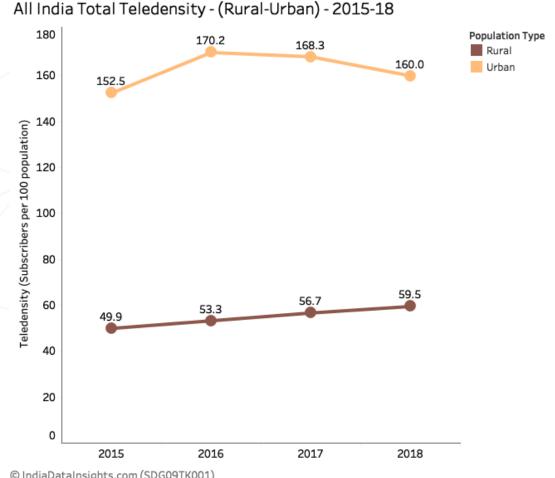
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## **Upward** trend

In rural teledensity

## Slight dip

In urban teledensity



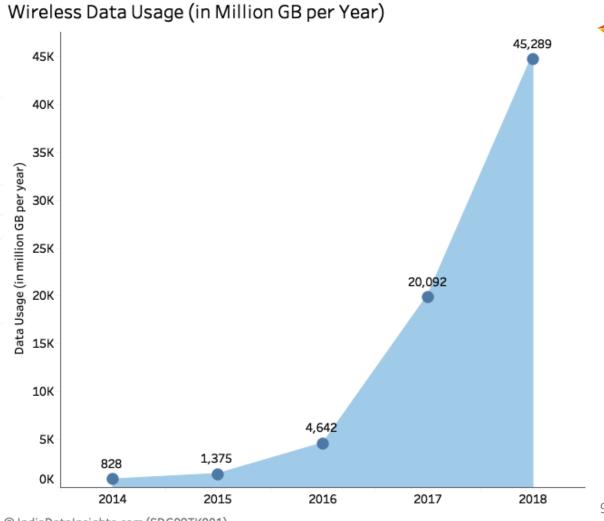
#### Ser

ervice Area-wise Total	Teledensity				4	<b>ID</b>
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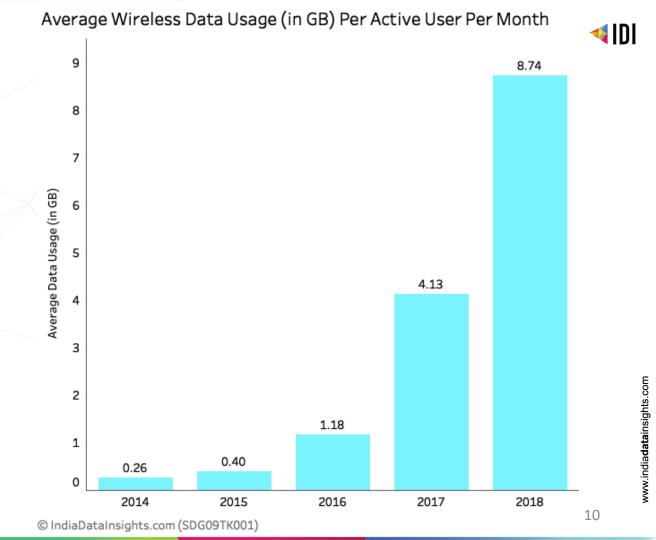
Service Area	2015	2016	2017	2018	Teledensity
Andhra Pradesh	86.5	93.7	95.8	98.3	
Assam	55.1	64.3	68.7	65.4	52.5 262
Bihar	52.5	59.5	60.2	62.2	
Delhi	240.9	248.2	262.1	235.7	
Gujarat	97.6	108.6	110.7	109.5	
Haryana	84.4	87.4	91.4	97.9	
Himachal Pradesh	124.3	140.8	148.7	146.5	
Jammu & Kashmir	78.8	91.1	104.7	91.0	
Karnataka	102.3	110.4	109.6	110.9	
Kerala	100.5	111.4	119.1	125.5	
Madhya Pradesh	63.0	64.4	69.7	72.3	
Maharashtra (incl. Mumbai)	96.8	105.7	109.4	108.6	
North East	77.5	88.2	90.9	82.0	
Orissa	65.7	77.4	79.6	76.9	
Punjab	104.2	120.0	123.6	126.0	
Rajasthan	82.2	89.0	88.9	88.5	
Tamil Nadu (incl. Chennai)	117.3	124.8	124.6	117.8	
Uttar Pradesh (East + West)	63.5	71.5	69.7	70.1	
West Bengal (incl. Kolkata)	78.2	88.9	91.7	89.6	

Increase in data usage in five years



## 8.74 GB

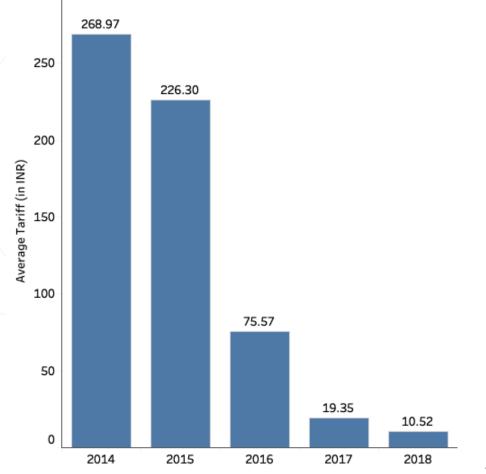
Monthly data usage average per active user



Decrease in the cost of wireless data in five years



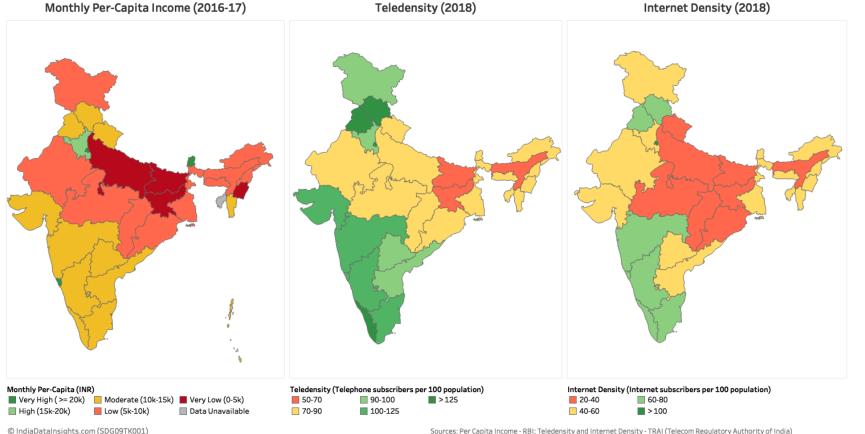




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### Per-capita income and access to telecommunication





Sources: Per Capita Income - RBI; Teledensity and Internet Density - TRAI (Telecom Regulatory Authority of India)



Access to telecommunications – mobile phone and internet - play an important role in people's lives today. Access to important news and local notifications, financial services, healthcare and government schemes improves with better access to telecom services.

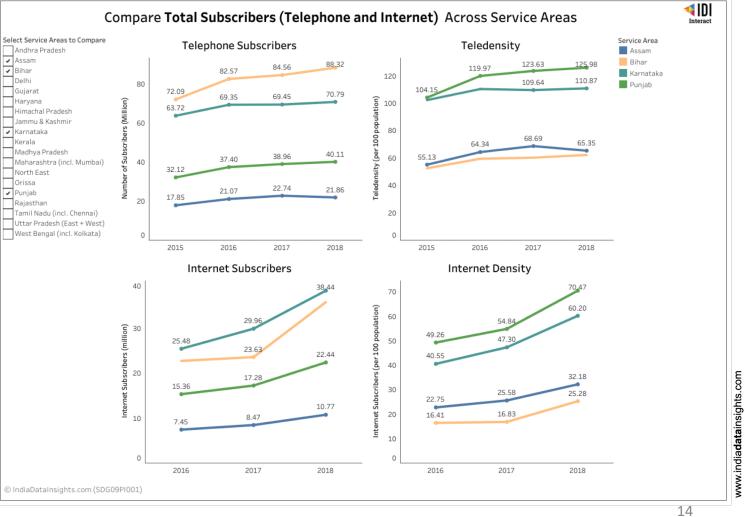
Today, there is some connect between telecom penetration in a region and its income level. The states with higher income have better telecom penetration among its population.

Detailed views of how telecom usage has evolved in each state are available as an interactive dashboard here :

https://www.indiadatainsights.com/IDI-Interact/indias-telecom-usage/

Following are a few sample views from the data interactive.

### Comparative views



Understand rural-urban gap in teledensity

