
Analysis of Household Consumption & Expenditure Patterns in Rural and Urban India (2022-23)

Data Sources.

Data Source

Survey Name: [Household Consumption Expenditure Survey \(HCES\) 2022-23](#)

The following datasets were extracted from the official report and processed into structured CSV files for analysis. The data was **extracted using a Python script** utilizing **pdfplumber** and **pandas**. After extraction, the **data was manually organized and cleaned** for visualization **using pandas**.

Datasets:

1. Average MPCE across fractile classes of MPCE, All-India

- **Table Number:** 3.1
- **Page Number:** 22
- **File:** cleaned_table_3_1.csv

cleaned_table_3_1.csv

```
Fractile Class,Rural MPCE,Urban MPCE
0-5%,1373.0,2001.0
5-10%,1782.0,2607.0
10-20%,2112.0,3157.0
20-30%,2454.0,3762.0
```

30-40%, 2768.0, 4348.0
 40-50%, 3094.0, 4963.0
 50-60%, 3455.0, 5662.0
 60-70%, 3887.0, 6524.0
 70-80%, 4458.0, 7673.0
 80-90%, 5356.0, 9582.0
 90-95%, 6638.0, 12399.0
 95-100%, 10501.0, 20824.0
 All classes, 3773.0, 6459.0

Table 3.1: Average MPCE across fractile classes of MPCE, All-India

Fractile classes of MPCE	Rural		Urban	
	Upper limit (Rs.)	Average MPCE (Rs.)	Upper limit (Rs.)	Average MPCE (Rs.)
(1)	(2)	(3)	(4)	(5)
0-5%	1,638	1,373	2,382	2,001
5-10%	1,912	1,782	2,813	2,607
10-20%	2,289	2,112	3,467	3,157
20-30%	2,612	2,454	4,053	3,762
30-40%	2,927	2,768	4,647	4,348
40-50%	3,268	3,094	5,286	4,963
50-60%	3,657	3,455	6,061	5,662
60-70%	4,138	3,887	7,036	6,524
70-80%	4,819	4,458	8,425	7,673
80-90%	6,043	5,356	11,089	9,582
90-95%	7,411	6,638	14,189	12,399
95-100%	-	10,501	-	20,824
All classes	-	3,773	-	6,459

2. Average MPCE and Urban-Rural Differences in MPCE in 2022-23, Major States

- **Table Number:** 3.2
- **Page Number:** 23
- **Files:** cleaned_table_3_2.0.csv, cleaned_table_3_2.1.csv

cleaned_table_3_2.0.csv

```
Major State,Rural MPCE,Urban MPCE
```

```
Andhra Pradesh,4870.0,6782.0
```

```
Assam,3432.0,6136.0
```

```
Bihar,3384.0,4768.0
```

```
Chhattisgarh,2466.0,4483.0
```

```
Gujarat,3798.0,6621.0
```

```
Haryana,4859.0,7911.0
```

```
Jharkhand,2763.0,4931.0
```

```
Karnataka,4397.0,7666.0
```

```
Kerala,5924.0,7078.0
```

```
Madhya Pradesh,3113.0,4987.0
```

```
Maharashtra,4010.0,6657.0
```

```
Odisha,2950.0,5187.0
```

```
Punjab,5315.0,6544.0
```

```
Rajasthan,4263.0,5913.0
```

```
Tamil Nadu,5310.0,7630.0
```

```
Telangana,4802.0,8158.0
```

```
Uttar Pradesh,3191.0,5040.0
```

```
West Bengal,3239.0,5267.0
```

```
All-India,3773.0,6459.0
```

cleaned_table_3_2.1.csv

```
Major State,Rural-Urban Difference (%)
```



Andhra Pradesh, 39.0

Assam, 79.0

Bihar, 41.0

Chhattisgarh, 82.0

Gujarat, 74.0

Haryana, 63.0

Jharkhand, 78.0

Karnataka, 74.0

Kerala, 19.0

Madhya Pradesh, 60.0

Maharashtra, 66.0

Odisha, 76.0

Punjab, 23.0

Rajasthan, 39.0

Tamil Nadu, 44.0

Telangana, 70.0

Uttar Pradesh, 58.0

West Bengal, 63.0

All-India, 71.0

Table 3.2: Average MPCE and urban-rural differences in MPCE in 2022-23, major States

Major State	Average MPCE (Rs.)		Urban-Rural differences (%) in MPCE
	Rural	Urban	
(1)	(2)	(3)	(4)
Andhra Pradesh	4,870	6,782	39
Assam	3,432	6,136	79
Bihar	3,384	4,768	41
Chhattisgarh	2,466	4,483	82
Gujarat	3,798	6,621	74
Haryana	4,859	7,911	63
Jharkhand	2,763	4,931	78
Karnataka	4,397	7,666	74
Kerala	5,924	7,078	19
Madhya Pradesh	3,113	4,987	60
Maharashtra	4,010	6,657	66
Odisha	2,950	5,187	76
Punjab	5,315	6,544	23
Rajasthan	4,263	5,913	39
Tamil Nadu	5,310	7,630	44
Telangana	4,802	8,158	70
Uttar Pradesh	3,191	5,040	58
West Bengal	3,239	5,267	63
All-India	3,773	6,459	71

3. Absolute and Percentage Break-up of MPCE by Item Groups in 2022-23: All-India

- **Table Number:** 3.5
- **Page Number:** 29, 30
- **Files:** table_3.5.0.csv, table_3.5.1.csv

table_3.5.0.csv

```
Category,Item,Percentage
```

```
Major,Food Total,46.38
```

```
Major,Non-Food Total,53.62
```

```
Food,Cereals & Cereal Substitutes,4.91
```

```
Food,Pulses & Products,2.01
```

```
Food,Sugar & Salt,0.93
```

```
Food,Milk & Milk Products,8.33
```

```
Food,Vegetables,5.38
```

```
Food,Fruits,3.71
```

```

Food,"Egg, Fish & Meat",4.91

Food,Edible Oil,3.59

Food,Spices,2.98

Food,Beverages & Processed Food,9.62

Non-Food,"Pan, Tobacco & Intoxicants",3.79

Non-Food,Fuel and Light,6.66

Non-Food,Education,3.30

Non-Food,Medical,7.13

Non-Food,Conveyance,7.55

Non-Food,Consumer Services,5.08

Non-Food,Misc. Goods & Entertainment,6.21

Non-Food,Rent,0.78

Non-Food,Taxes and Cesses,0.13

Non-Food,"Clothing, Bedding & Footwear",6.10

Non-Food,Durable Goods,6.89

```

table_3.5.1.csv

```

Category,Item,Percentage

Major,Food Total,39.17

Major,Non-Food Total,60.83

Food,Cereals & Cereal Substitutes,3.64

Food,Pulses & Products,1.39

Food,Sugar & Salt,0.60

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Food,Milk & Milk Products,7.22

Food,Vegetables,3.80

Food,Fruits,3.80

Food,"Egg, Fish & Meat",3.57

Food,Edible Oil,2.37

Food,Spices,2.13

Food,Beverages & Processed Food,10.64

Non-Food,"Pan, Tobacco & Intoxicants",2.43

Non-Food,Fuel and Light,6.26

Non-Food,Education,5.78

Non-Food,Medical,5.91

Non-Food,Conveyance,8.59

Non-Food,Consumer Services,5.92

Non-Food,Misc. Goods & Entertainment,6.56

Non-Food,Rent,6.56

Non-Food,Taxes and Cesses,0.24

Non-Food,"Clothing, Bedding & Footwear",5.41

Non-Food,Durable Goods,7.17

Table 3.5: Absolute and percentage break-up of MPCE by item groups in 2022-23: All-India

Item group	Average MPCE (Rs.)		Percentage share in total MPCE (%)	
	Rural	Urban	Rural	Urban
(1)	(2)	(3)	(4)	(5)
cereals & cereal substitutes	185	235	4.91	3.64
pulses & their products*	76	90	2.01	1.39
sugar & salt	35	39	0.93	0.60
milk & milk products	314	466	8.33	7.22
vegetables	203	245	5.38	3.80
fruits	140	246	3.71	3.80
egg, fish & meat	185	231	4.91	3.57
edible oil	136	153	3.59	2.37
spices	113	138	2.98	2.13
beverages, refreshments, processed food#	363	687	9.62	10.64
food total	1,750	2,530	46.38	39.17
pan, tobacco & intoxicants	143	157	3.79	2.43
fuel and light	251	404	6.66	6.26
education	125	374	3.30	5.78
medical	269	382	7.13	5.91
conveyance	285	555	7.55	8.59

Table 3.5: Absolute and percentage break-up of MPCE by item groups in 2022-23: All-India

Item group	Average MPCE (Rs.)		Percentage share in total MPCE (%)	
	Rural	Urban	Rural	Urban
(1)	(2)	(3)	(4)	(5)
consumer services excluding conveyance&	192	382	5.08	5.92
misc. goods, entertainment	234	424	6.21	6.56
rent	30	423	0.78	6.56
taxes and cesses	5	16	0.13	0.24
clothing, bedding & footwear§	230	350	6.10	5.41
durable goods	260	463	6.89	7.17
non-food total	2,023	3,929	53.62	60.83
all items	3,773	6,459	100.00	100.00

*includes gram #includes purchased cooked meals \$excludes tailoring charges &includes tailoring charges

4. Average MPCE (Rs.) by Social Group in 2022-23, Major States

- **Table Number:** 3.12
- **Page Number:** 43
- **Files:** cleaned_table_3.12.0.csv, cleaned_table_3.12.1.csv

cleaned_table_3.12.0.csv

State,Rural ST,Rural SC,Rural OBC,Rural Others,Rural All (#)

Andhra Pradesh,3772.0,4565.0,4824.0,5550.0,4870.0

Assam,3289.0,3387.0,3404.0,3523.0,3432.0

Bihar,2927.0,3058.0,3479.0,3691.0,3384.0

Chhattisgarh,2258.0,2347.0,2665.0,3187.0,2466.0

Gujarat,3412.0,3592.0,3649.0,4605.0,3798.0

Haryana,4970.0,4299.0,4771.0,5500.0,4859.0

Jharkhand,2218.0,2850.0,2997.0,3473.0,2763.0

Karnataka,4086.0,4258.0,4377.0,4952.0,4397.0

Kerala,4526.0,5058.0,5390.0,7451.0,5924.0

Madhya Pradesh,2651.0,2977.0,3302.0,3713.0,3113.0

Maharashtra,2726.0,3742.0,4017.0,4705.0,4010.0

Orissa,2384.0,2899.0,3258.0,3484.0,2950.0

Punjab,5311.0,4583.0,5335.0,6279.0,5315.0

Rajasthan,3206.0,3794.0,4527.0,5428.0,4263.0

Tamil Nadu,4713.0,4898.0,5462.0,5773.0,5310.0

Telangana,4420.0,4526.0,4937.0,5269.0,4802.0

Uttar Pradesh,2295.0,2900.0,3191.0,3747.0,3191.0

West Bengal,2658.0,3152.0,3234.0,3427.0,3239.0

All-India,3016.0,3474.0,3848.0,4392.0,3773.0

cleaned_table_3.12.1.csv

State,Urban ST,Urban SC,Urban OBC,Urban Others,Urban All (#)

Andhra Pradesh,6335.0,6427.0,6332.0,7637.0,6782.0

Assam,5410.0,5173.0,6374.0,6398.0,6136.0

Bihar,3633.0,3665.0,4501.0,6291.0,4768.0

Chhattisgarh,4068.0,3659.0,3963.0,5847.0,4483.0

Gujarat,5322.0,5322.0,5870.0,7688.0,6621.0

Haryana,6241.0,5868.0,7077.0,9429.0,7911.0

Jharkhand,3767.0,3888.0,4738.0,5998.0,4931.0

Karnataka,5984.0,6370.0,7516.0,9099.0,7666.0

Kerala,9373.0,5800.0,6443.0,8822.0,7078.0

Madhya Pradesh,4436.0,4415.0,4662.0,5929.0,4987.0

Maharashtra, 5337.0, 5492.0, 5913.0, 7475.0, 6657.0

Orissa, 3563.0, 4509.0, 5045.0, 6252.0, 5187.0

Punjab, 5820.0, 5348.0, 6294.0, 7729.0, 6544.0

Rajasthan, 5811.0, 4722.0, 5525.0, 7174.0, 5913.0

Tamil Nadu, 6115.0, 6423.0, 7791.0, 7830.0, 7630.0

Telangana, 6311.0, 6823.0, 7824.0, 9534.0, 8158.0

Uttar Pradesh, 4644.0, 4502.0, 4652.0, 6073.0, 5040.0

West Bengal, 5228.0, 4606.0, 4306.0, 5636.0, 5267.0

All-India, 5414.0, 5307.0, 6177.0, 7333.0, 6459.0

Table 3.12: Average MPCE (Rs.) by social group in 2022-23, major states

Major states	Rural					Urban				
	ST	SC	OBC	Others	all*	ST	SC	OBC	Others	all*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	3,772	4,565	4,824	5,550	4,870	6,335	6,427	6,332	7,637	6,782
Assam	3,289	3,387	3,404	3,523	3,432	5,410	5,173	6,374	6,398	6,136
Bihar	2,927	3,058	3,479	3,691	3,384	3,633	3,665	4,501	6,291	4,768
Chhattisgarh	2,258	2,347	2,665	3,187	2,466	4,068	3,659	3,963	5,847	4,483
Gujarat	3,412	3,592	3,649	4,605	3,798	5,322	5,322	5,870	7,688	6,621
Haryana	4,970	4,299	4,771	5,500	4,859	6,241	5,868	7,077	9,429	7,911
Jharkhand	2,218	2,850	2,997	3,473	2,763	3,767	3,888	4,738	5,998	4,931
Karnataka	4,086	4,258	4,377	4,952	4,397	5,984	6,370	7,516	9,099	7,666
Kerala	4,526	5,058	5,390	7,451	5,924	9,373	5,800	6,443	8,822	7,078
Madhya Pradesh	2,651	2,977	3,302	3,713	3,113	4,436	4,415	4,662	5,929	4,987
Maharashtra	2,726	3,742	4,017	4,705	4,010	5,337	5,492	5,913	7,475	6,657
Orissa	2,384	2,899	3,258	3,484	2,950	3,563	4,509	5,045	6,252	5,187
Punjab	5,311	4,583	5,335	6,279	5,315	5,820	5,348	6,294	7,729	6,544
Rajasthan	3,206	3,794	4,527	5,428	4,263	5,811	4,722	5,525	7,174	5,913
Tamil Nadu	4,713	4,898	5,462	5,773	5,310	6,115	6,423	7,791	7,830	7,630
Telangana	4,420	4,526	4,937	5,269	4,802	6,311	6,823	7,824	9,534	8,158
Uttar Pradesh	2,295	2,900	3,191	3,747	3,191	4,644	4,502	4,652	6,073	5,040
West Bengal	2,658	3,152	3,234	3,427	3,239	5,228	4,606	4,306	5,636	5,267
All-India	3,016	3,474	3,848	4,392	3,773	5,414	5,307	6,177	7,333	6,459

includes not reporting cases (i.e., those who have not reported social group) also.