



**Asian Center for
Development**

A Socio-Economic Analysis of the Meghna Region, Bangladesh

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SARAH ENAMUL HAQUE – UMME MARZANA – FAHIMA LASKAR

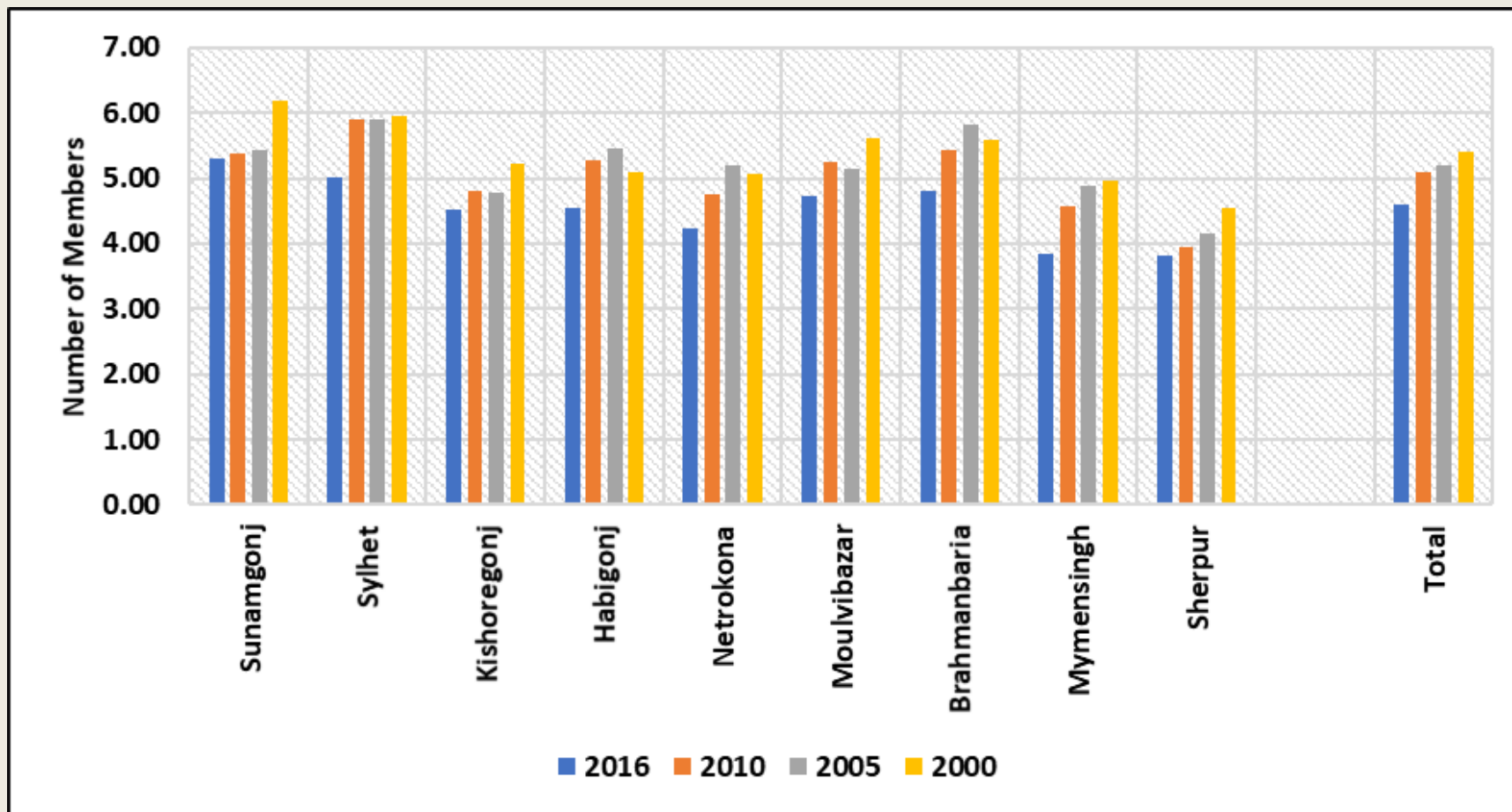
WEBINAR ON MEGHNA CONSERVATION: CELEBRATING MEGHNA RIVER ON 3 SEPTEMBER 2020

Meghna river basin in Bangladesh

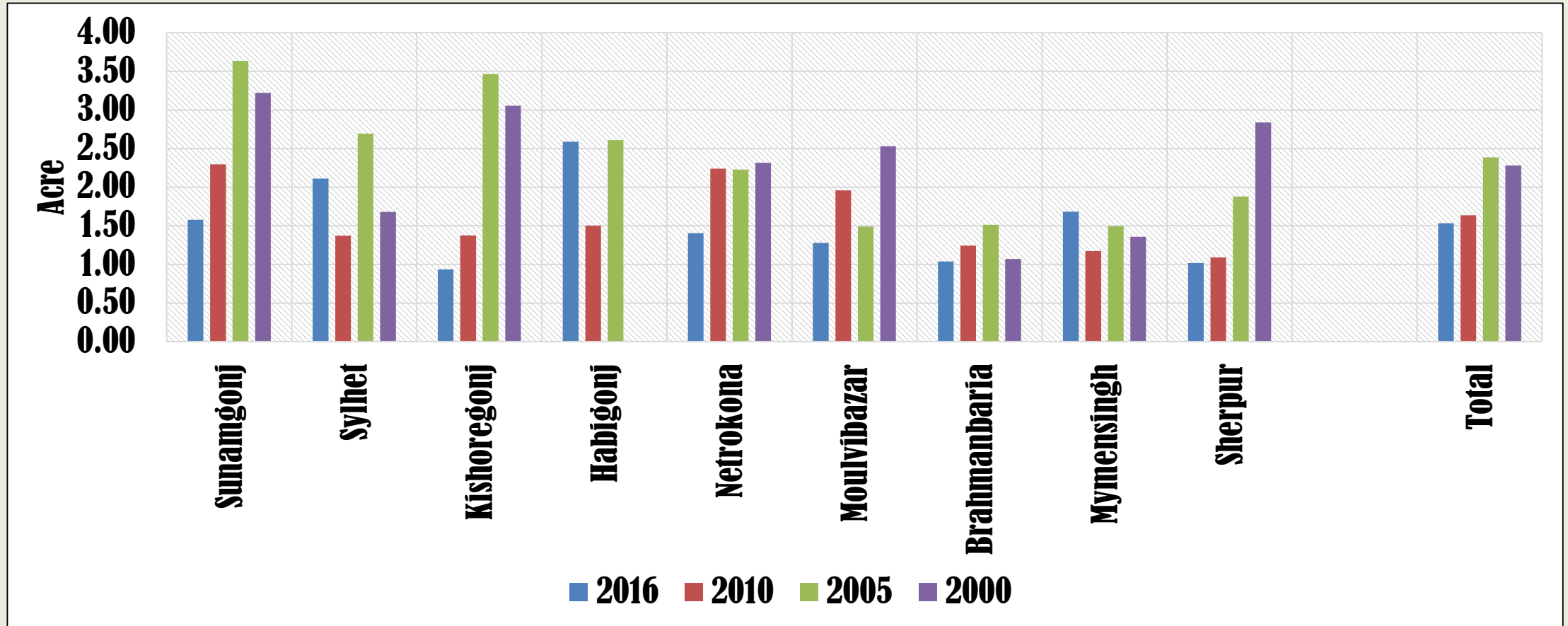
- 2.1 million hectares of land
- 21.68 million population (2016)
- 9 Districts in 3 Divisions
- Sylhet, Sunamganj, Habiganj, Moulvibazar, Netrokona, Mymensingh, Kishoreganj, Brahmanbaria, Sherpur



Household size over time



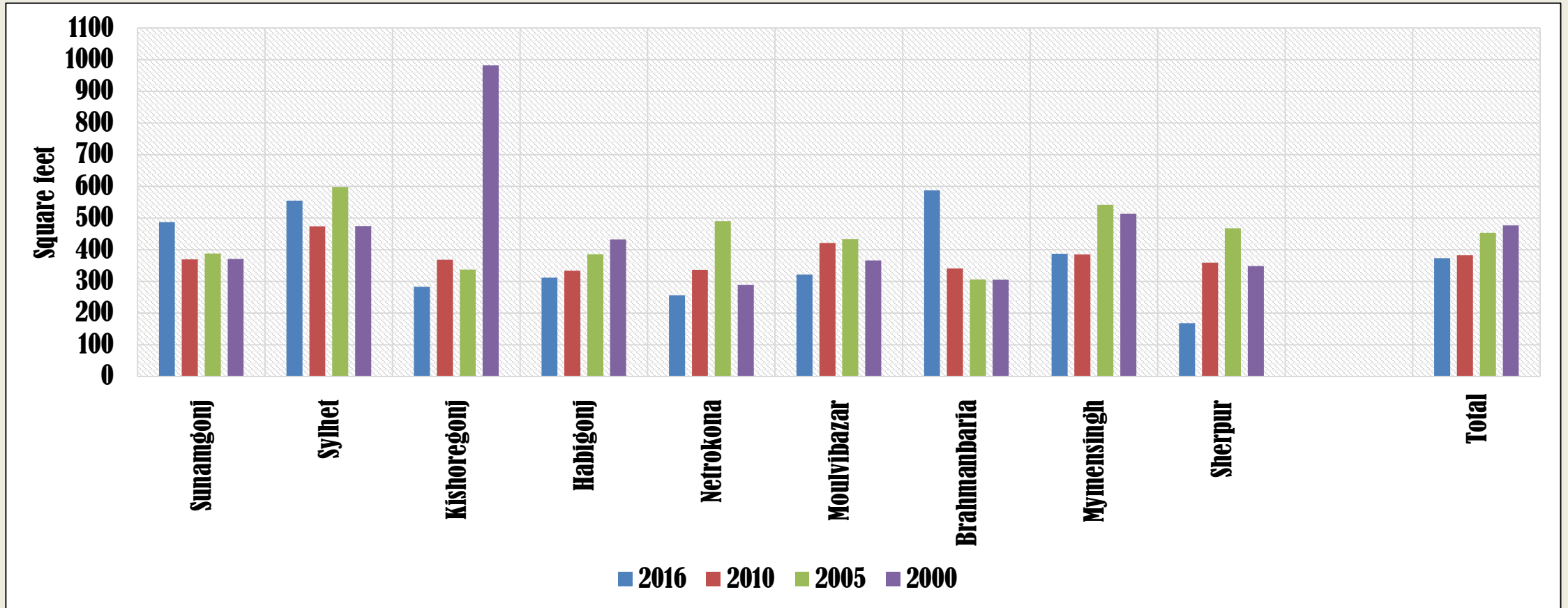
Ownership of cultivable land



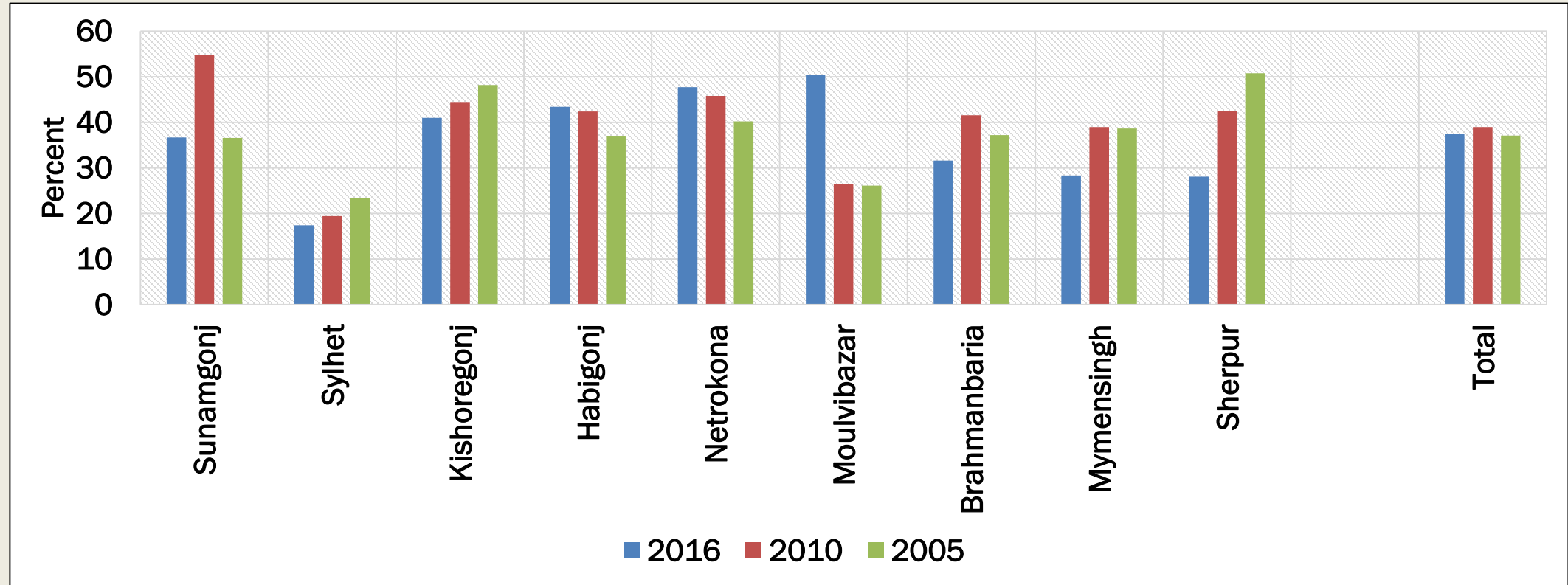
Unused land per household

District	2016	2010**	2005**	2000**
Brahmanbaria	5.83	1.35	7.98	34.56
Habigonj	3.50	0.88	4.86	45.43
Kishoregonj	5.01	4.20	3.67	32.87
Moulvibazar	1.94	1.83	1.63	35.63
Mymensingh	1.39	2.49	5.55	22.30
Netrokona	1.40	1.61	0.60	38.37
Sherpur	2.23	2.65	-	94.35
Sunamgonj	0.14	-	7.46	11.50
Sylhet	0.70	-	1.22	20.07
Total*	2.16	1.52	3.39	34.84

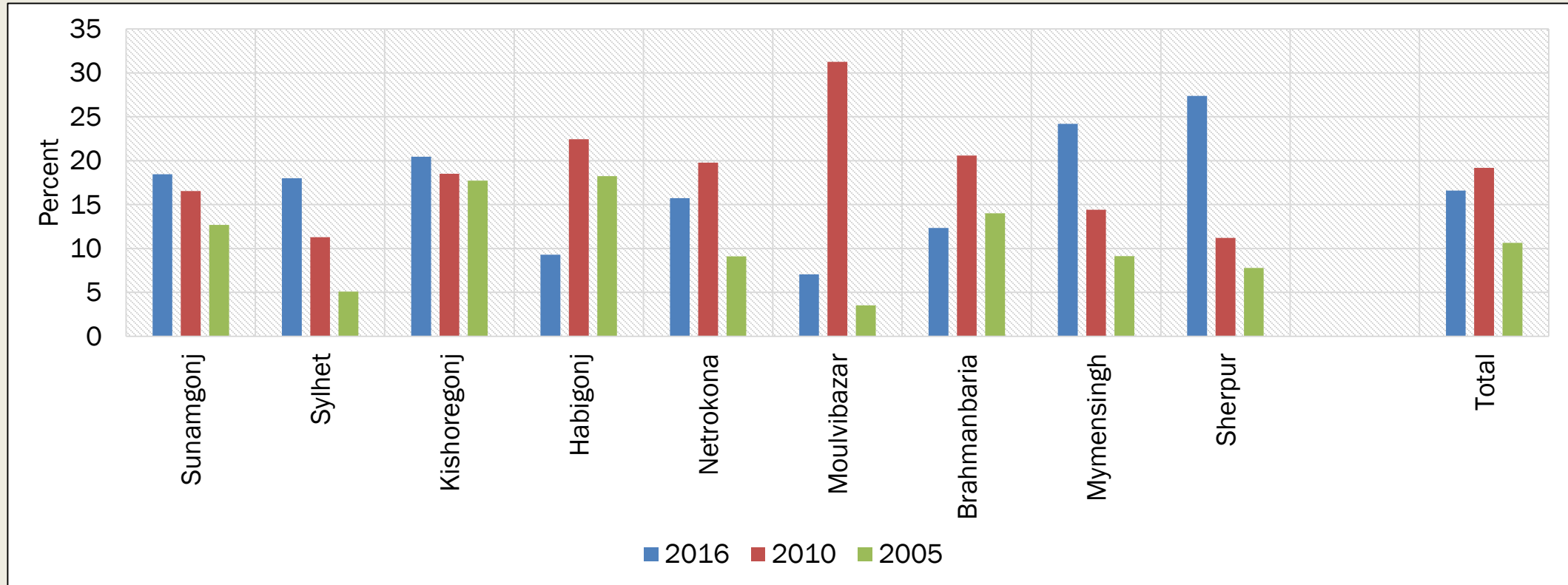
Average living space per household



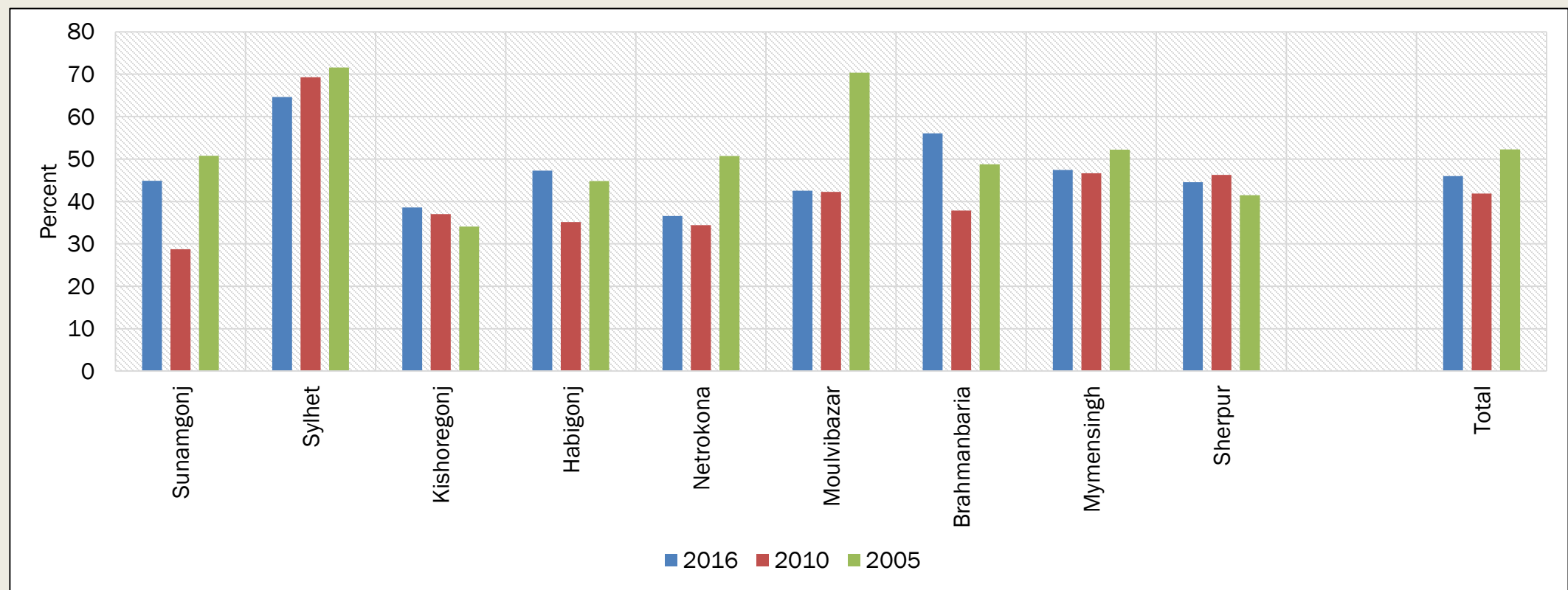
Proportion of person in Agricultural sector



Proportion of people in Manufacturing sector



Proportion of people in the service sector



Changes in employment status

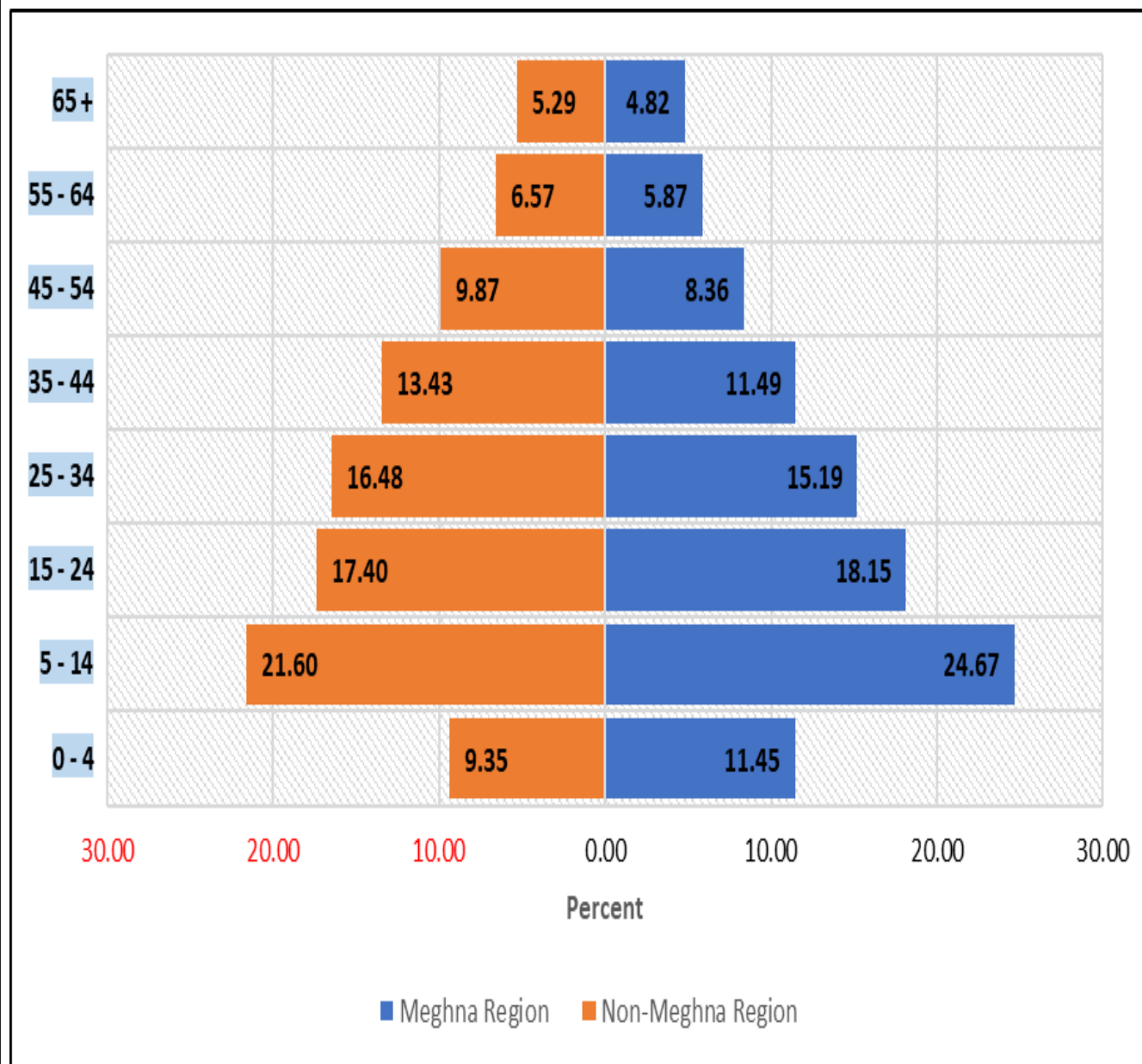
Employment Status	Day Laborer			Self-employed		
	2016	2010**	2005**	2016	2010**	2005**
Brahmanbaria	32.81	37.67	29.84	21.82	29.45	41.13
Habigonj	29.67	37.86	11.11	34.92	31.07	51.85
Kishoregonj	29.65	41.57	10.2	33.33	32.58	55.1
Moulvibazar	45.77	56.31	25.68	26.53	25.24	38.51
Mymensingh	25.97	28.61	12.34	19.19	26.47	46.84
Netrokona	11.72	26.97	11.38	35.16	33.55	48.78
Sherpur	38.4	37.8	24.49	24.33	28.35	60.2
Sunamgonj	38.5	31.01	38.92	27.86	39.87	35.33
Sylhet	45.24	28.57	27.15	26.37	40.93	39.07
Total*	34.33	37.54	21.82	28.31	32.16	44.68

Changes in employment ...

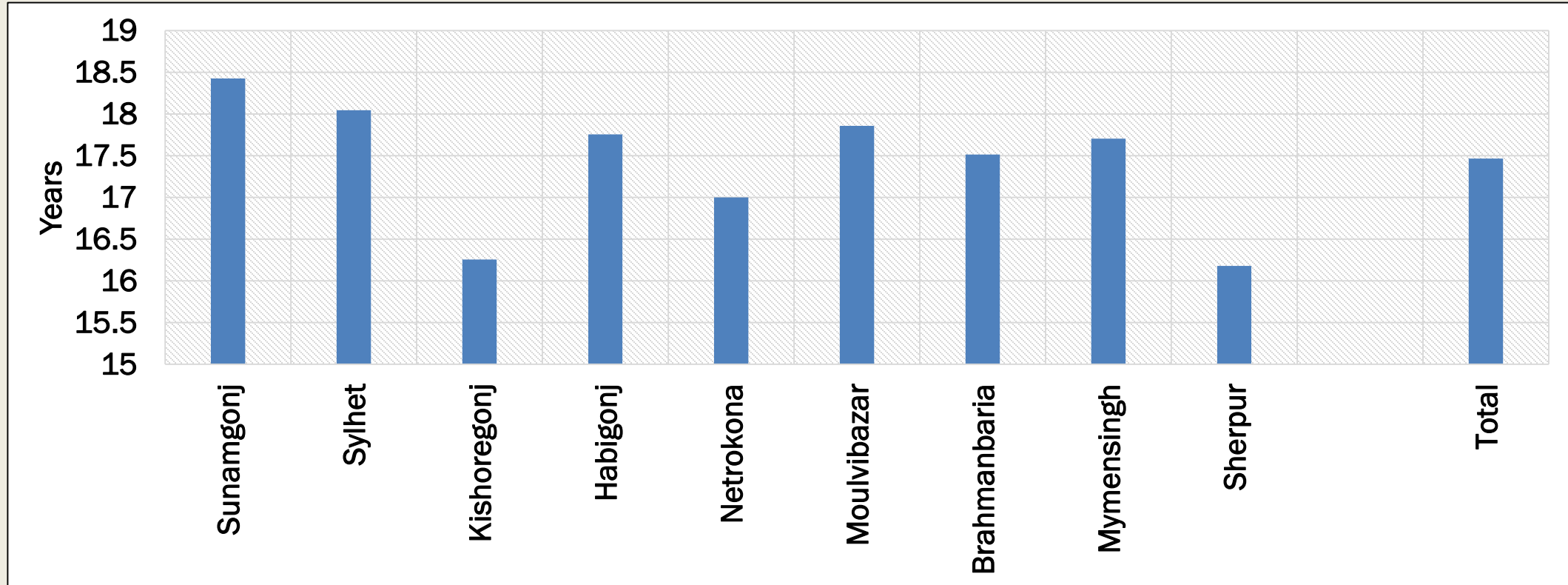
Employment Status	Employer			Employee		
	2016	2010**	2005**	2016	2010**	2005**
District						
Brahmanbaria	0.78	0.68	0.81	44.58	32.19	28.23
Habigonj	0.00	-	-	35.41	31.07	37.04
Kishoregonj	0.7	-	-	36.32	25.84	34.69
Moulvibazar	5.4	-	0.68	22.3	18.45	35.14
Mymensingh	0.14	-	-	54.69	44.92	40.82
Netrokona	1.75	-	-	51.37	39.47	39.84
Sherpur	0.38	0.79	-	36.88	33.07	15.31
Sunamgonj	0.47	-	-	33.18	29.11	25.75
Sylhet	0.86	-	1.32	27.52	30.5	32.45
Total*	1.15	0.07	0.32	36.21	30.23	33.17

Age Distribution: Meghna vs non-Meghna

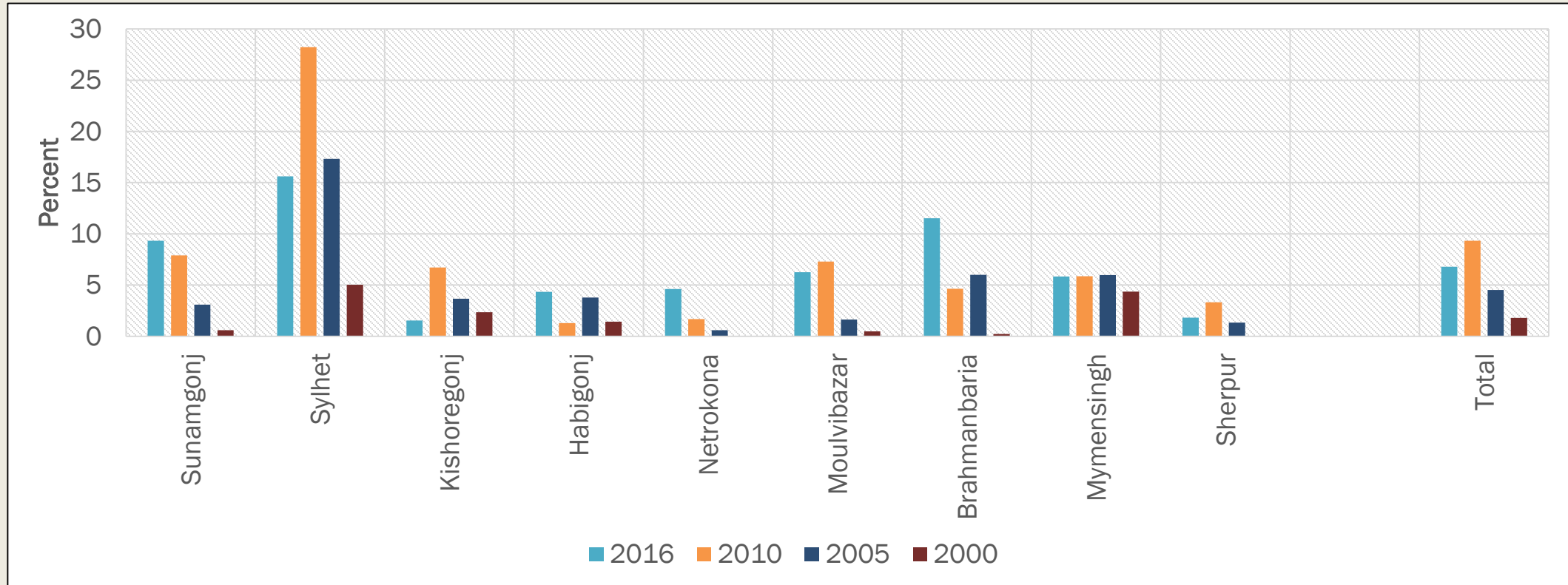
2016



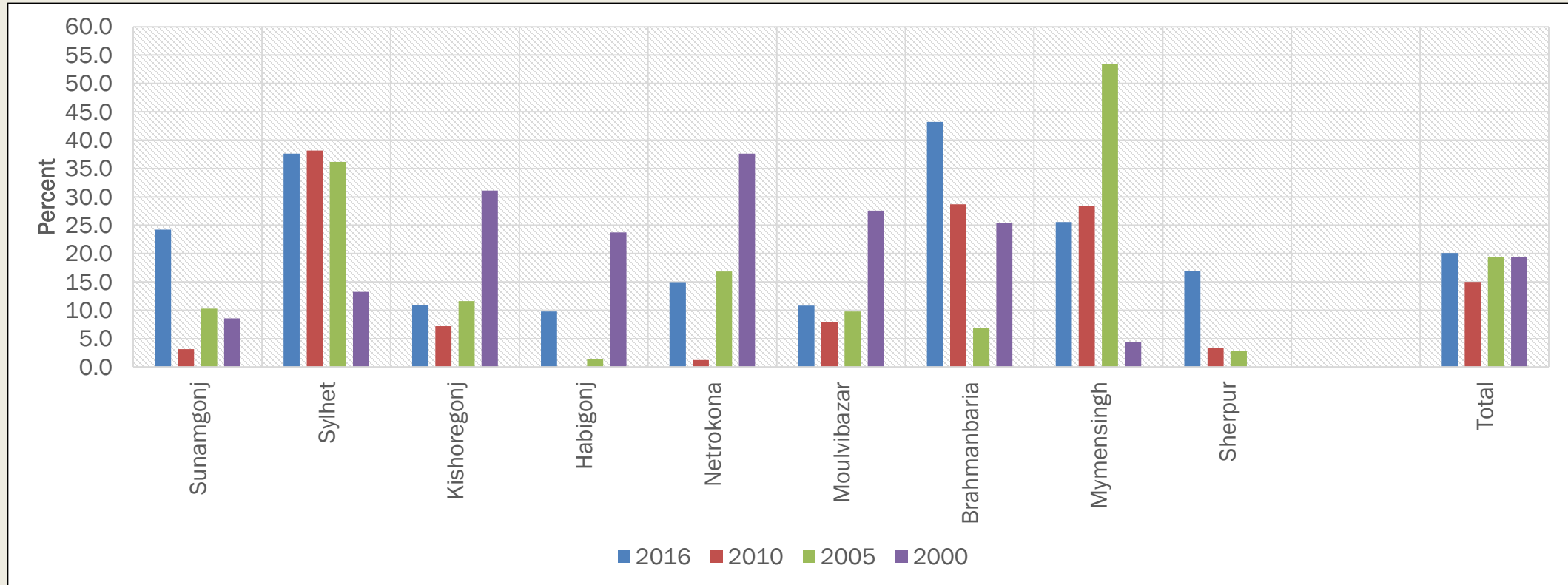
Age at first marriage (female)



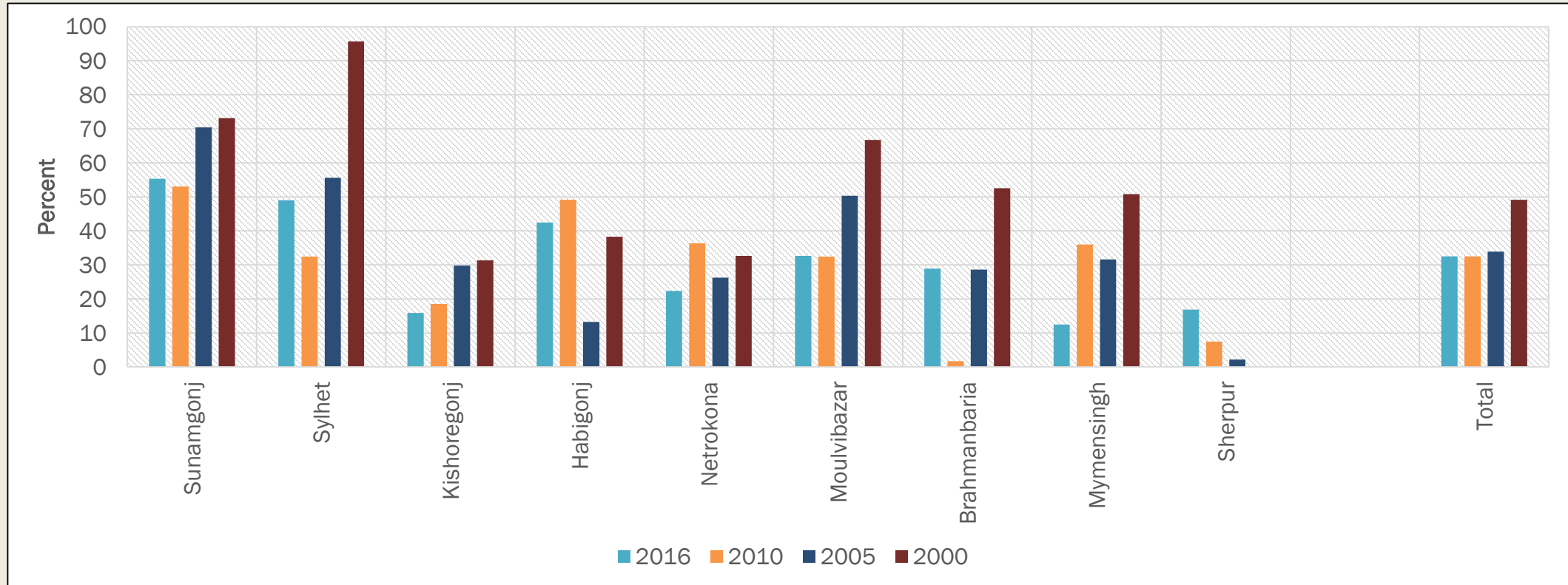
Changes in Roof Materials (RCC)



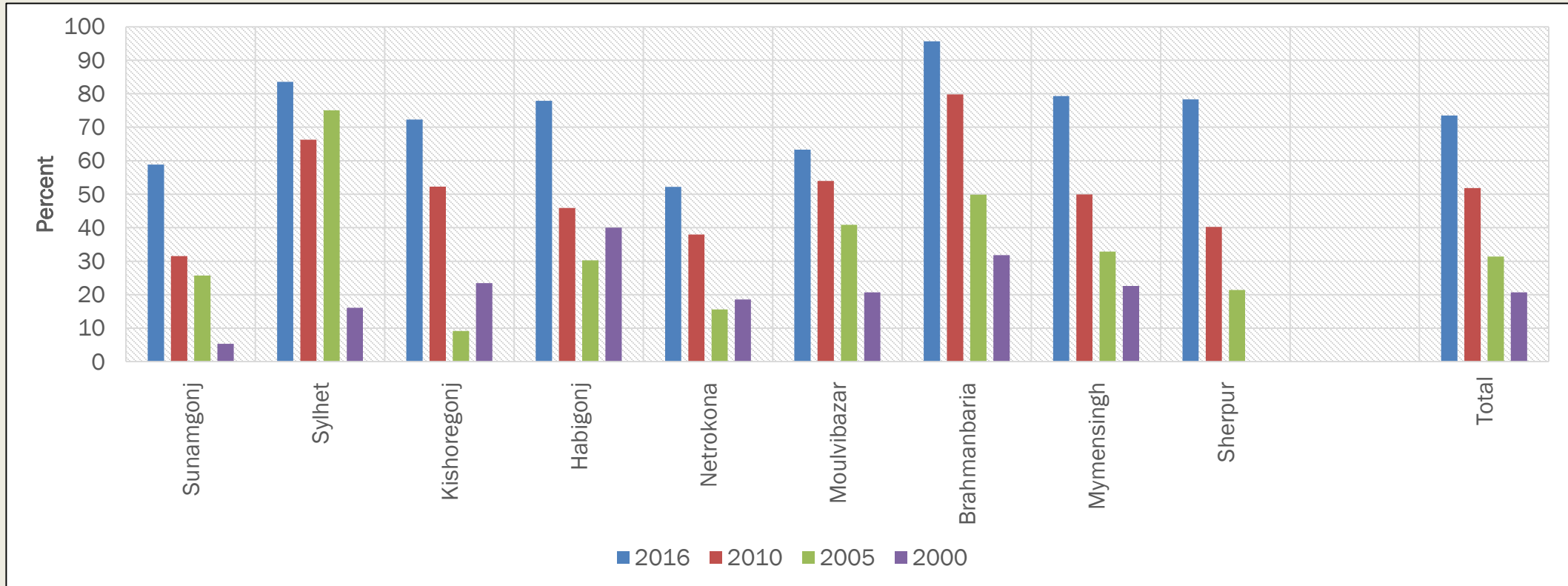
Changes in Toilets (Sanitary Latrine)



Changes in the source of water for general use - ponds



Access to electricity – changes over time



Access to mobile phones (2016)

District	Percent
Brahmanbaria	67.92
Habigonj	50.45
Kishoregonj	53.44
Moulvibazar	49.66
Mymensingh	61.94
Netrokona	54.3
Sherpur	51.24
Sunamgonj	47.16
Sylhet	56.69
Total*	53.27

Last education level – over time

District	School			College		
	2016	2010**	2005**	2016	2010**	2005**
Brahmanbaria	80.66	94.91	88.50	11.23	4.63	11.00
Habigonj	82.5	94.36	80.33	12.00	3.59	18.58
Kishoregonj	88.52	80.37	73.38	8.10	15.07	24.46
Moulvibazar	86.59	84.70	88.36	7.05	12.69	11.64
Mymensingh	77.78	75.53	88.22	16.98	20.85	9.21
Netrokona	78.24	79.59	74.01	15.54	15.31	22.60
Sherpur	73.53	69.83	73.33	14.82	14.66	13.33
Sunamgonj	84.05	84.93	96.65	6.40	10.29	1.68
Sylhet	77.48	92.43	77.92	12.05	2.25	17.50
Total*	81.64	84.86	83.00	10.96	10.61	14.33

Last education level ...

District	University			Madrasa		
	2016	2010**	2005**	2016	2010**	2005**
Brahmanbaria	3.52	-	-	3.13	0.46	0.50
Habigonj	1.12	1.03	1.09	3.87	1.03	-
Kishoregonj	0.48	0.91	2.16	2.70	3.20	-
Moulvibazar	0.68	0.75	-	2.94	0.75	-
Mymensingh	1.36	1.48	2.14	3.16	2.13	0.21
Netrokona	2.14	3.57	2.26	3.64	1.02	1.13
Sherpur	7.48	7.76	-	3.17	5.17	5.00
Sunamgonj	3.06	1.84	-	6.30	2.94	1.12
Sylhet	1.5	-	3.75	8.66	5.32	0.42
Total*	2.00	1.38	1.64	4.61	2.81	0.59

Cost of education (annual)

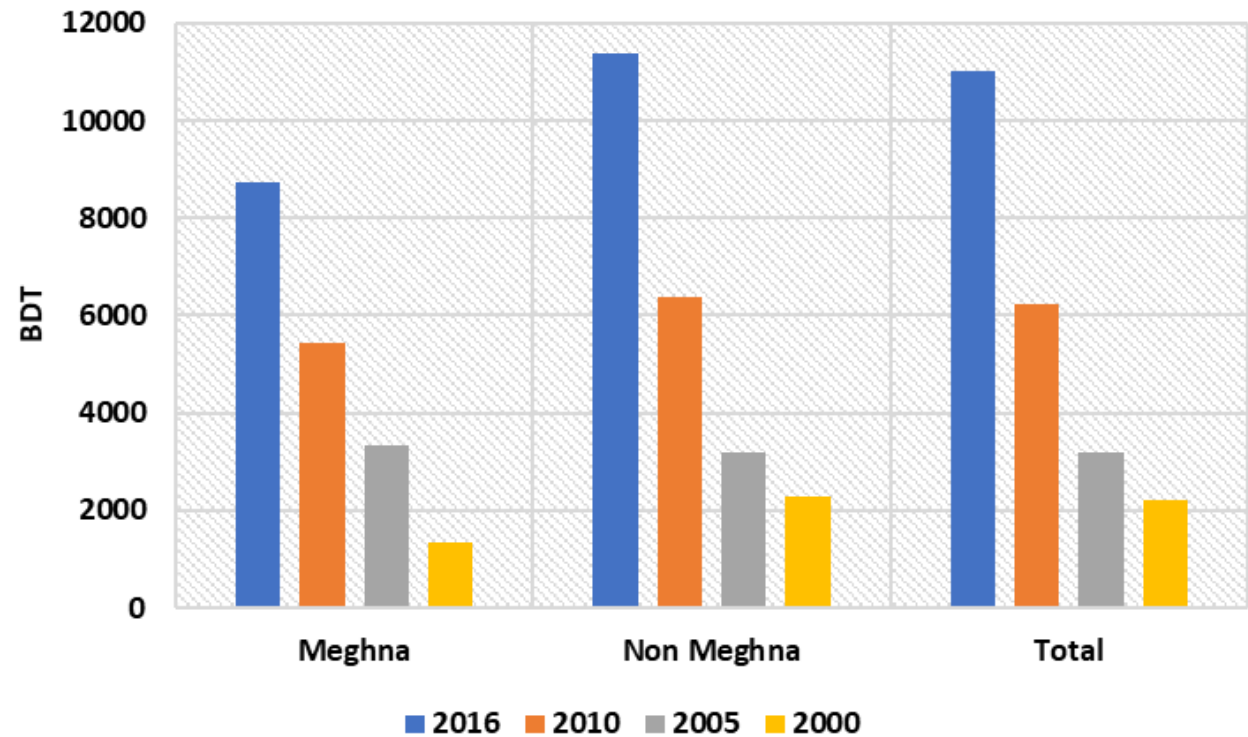
District	Total cost of Education			
	2016	2010**	2005**	2000**
Brahmanbaria	12091.85	2872.21	3276.64	1758.07
Habigonj	7439.54	3730.64	3299.31	2610.13
Kishoregonj	4495.90	5069.80	3624.66	1229.27
Moulvibazar	7339.87	4749.81	2533.39	1762.04
Mymensingh	11093.31	6005.43	3216.23	1225.15
Netrokona	8266.72	3711.79	3360.45	2206.68
Sherpur	22418.81	7599.10	1735.81	1344.18
Sunamgonj	5810.03	3960.89	2687.36	708.15
Sylhet	8961.65	7636.05	4891.91	713.31
Total*	8721.5	5385.03	3350.32	1350.04

Transport cost for education (annual)

District	Transport cost			
	2016	2010**	2005**	2000**
Brahmanbaria	2006.50	1668.18	1450	648.57
Habigonj	2282.41	1664.26	210.71	955
Kishoregonj	1466.54	1562.25	740.77	729.17
Moulvibazar	3295.11	2737.67	1157.60	848.57
Mymensingh	1880.82	2194.69	1214.69	1027.22
Netrokona	2324.49	2074.07	1026.05	2114.29
Sherpur	1721.05	3820	650	510.25
Sunamgonj	2971.47	1438.91	1959.38	478.33
Sylhet	2372.83	2022.16	2489.36	342.5
Total*	2398.24	1966.01	1412.06	843.85

Meghna vs non-Meghan

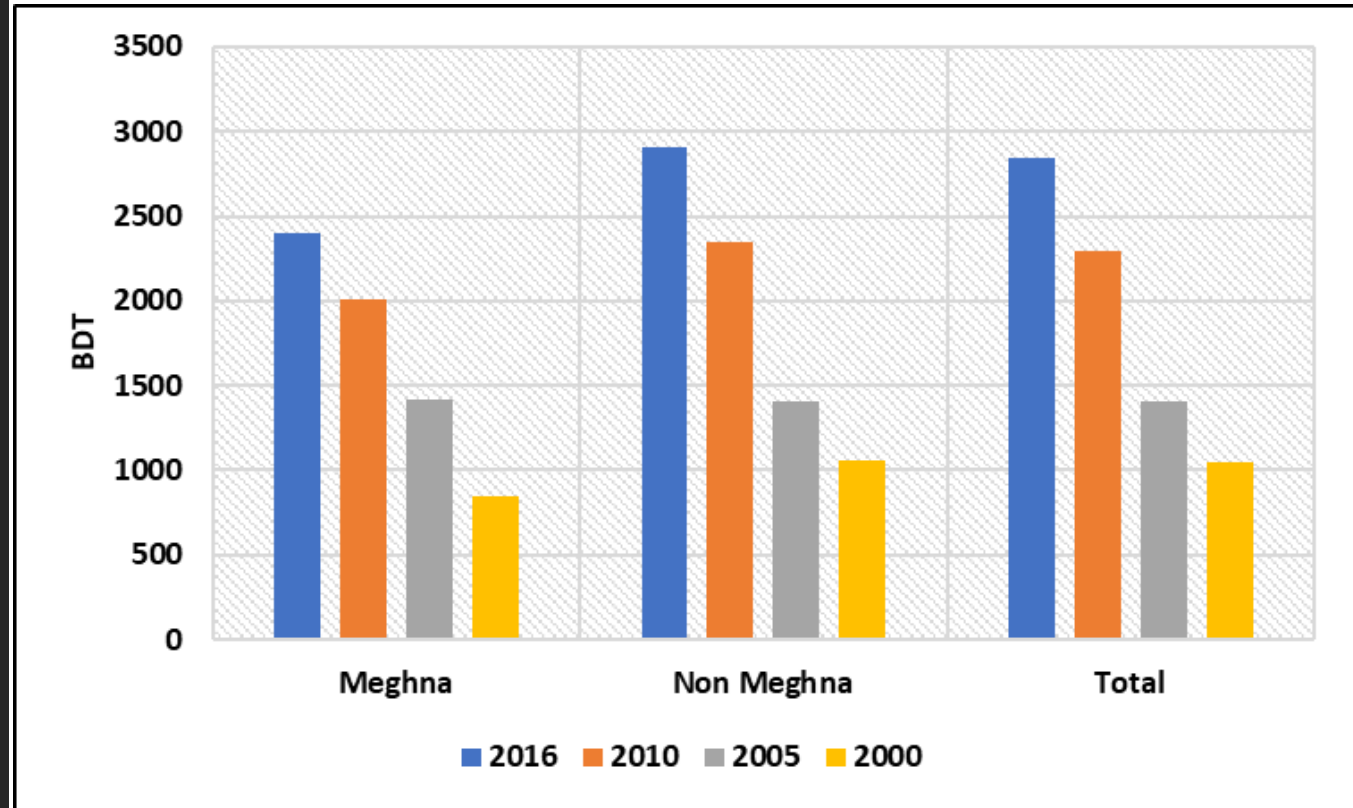
Total Educational Expenses over time
[school education]



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Transport costs - primary education

MEGHNA VS NON-MEGHNA REGION



Chronic illness (percent of population)

District	Respiratory diseases				Arthritis			
	2016	2010**	2005**	2000**	2016	2010**	2005**	2000**
Brahmanbaria	9.46	16.53	9.41	9.09	9.37	22.31	15.29	18.18
Habigonj	9.19	8.94	10.89	-	16.15	16.2	18.81	12.5
Kishoregonj	16.24	6.45	6.02	8.4	17.3	14.52	7.23	8.4
Moulvibazar	10.41	7.43	6.38	8.89	16.7	13.71	7.45	14.44
Mymensingh	10.72	10.08	4.65	5.43	28.99	10.34	6.2	10.85
Netrokona	12.27	7.14	11.32	8.7	18.54	13.1	3.77	4.35
Sherpur	11.44	7.41	6.85	9.09	7.92	13.58	16.44	6.82
Sunamgonj	10.51	14.29	3.62	5.26	12.54	3.57	5.8	10.53
Sylhet	8.33	10.61	5.26	10.59	9.7	8.59	6.77	9.41
Total*	10.69	8.9	6.78	7.88	14.18	12.54	8.38	10.01

Chronic illness ...

District	Gastric/Ulcer				Blood pressure			
	2016	2010**	2005**	2000**	2016	2010**	2005**	2000**
Brahmanbaria	30.71	24.79	34.12	27.27	14.1	23.14	10.59	9.09
Habigonj	42.81	56.42	31.68	12.5	24.59	21.79	15.84	-
Kishoregonj	32.91	44.35	45.78	26.05	10.76	12.9	10.84	7.56
Moulvibazar	24.08	55.43	32.98	32.22	16.92	21.14	24.47	7.78
Mymensingh	34.49	29.97	33.33	22.48	5.51	17.83	10.08	4.65
Netrokona	38.9	44.05	35.85	19.57	14.88	14.29	17.92	13.04
Sherpur	39.88	44.44	24.66	15.91	8.5	11.11	9.59	0
Sunamgonj	32.71	21.43	32.61	29.82	21.86	17.86	20.29	8.19
Sylhet	18.72	14.14	22.56	37.65	31.01	40.91	32.33	8.82
Total*	31.24	38.44	32.15	29.23	19.18	20.94	19.33	7.73

Place of delivery of child(s)

Place of Delivery	At Home			Satellite Clinic		
	2010**	2005**	2000**	2010**	2005**	2000**
Brahmanbaria	95.45	94.86	96.71	0.76	2.29	0.66
Habigonj	92.48	93.41	94.12	0.88	1.2	1.96
Kishoregonj	92.56	94.87	98.82	0.83	0.64	-
Moulvibazar	91.84	93.33	94.66	0.35	-	0.76
Mymensingh	88.76	91.5	94.81	0.19	0.28	0.37
Netrokona	92.71	92.76	95.9	-	0.66	-
Sherpur	94.77	94.57	93.85	2.33	0.78	3.08
Sunamgonj	90.37	91.08	99.24	0.37	-	-
Sylhet	68.52	84.18	96.83	1.23	1.13	-
Total*	87.84	91.72	96.44	0.69	0.66	0.48

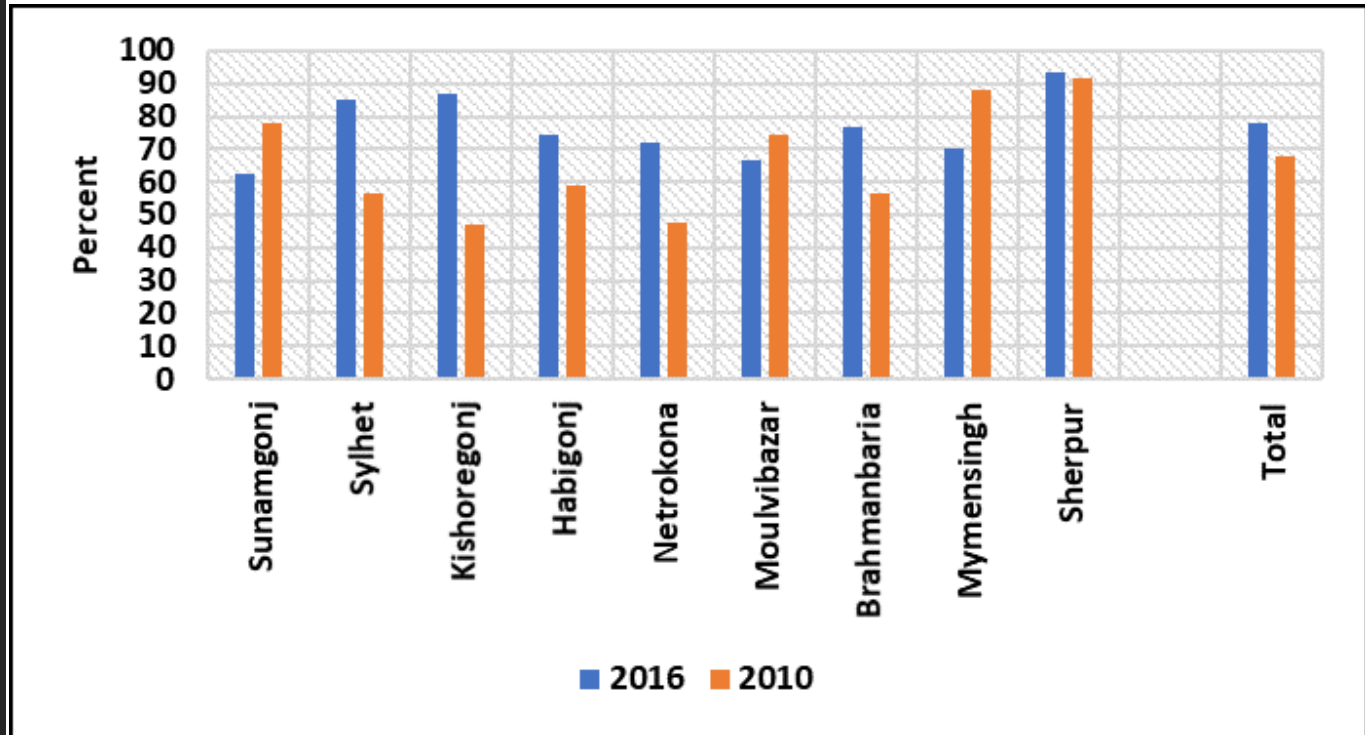
Place of delivery ...

Place of Delivery	District Hospital			NGO Health Center		
	2010**	2005**	2000**	2010**	2005**	2000**
Brahmanbaria	0.38	-	-	-	-	0.66
Habigonj	1.77	2.4	-	0.44	0.6	-
Kishoregonj	2.89	-	-	-	-	-
Moulvibazar	0.71	2.22	0.76	-	0.74	-
Mymensingh	2.71	2.83	0.74	0.78	0.57	0.37
Netrokona	2.08	1.32	0.82	-	0.66	-
Sherpur	1.16	0.78	-	-	0.78	-
Sunamgonj	1.11	1.27	0.76	-	-	-
Sylhet	5.86	3.95	-	-	1.13	-
Total*	2.39	1.86	0.41	0.14	0.53	0.09

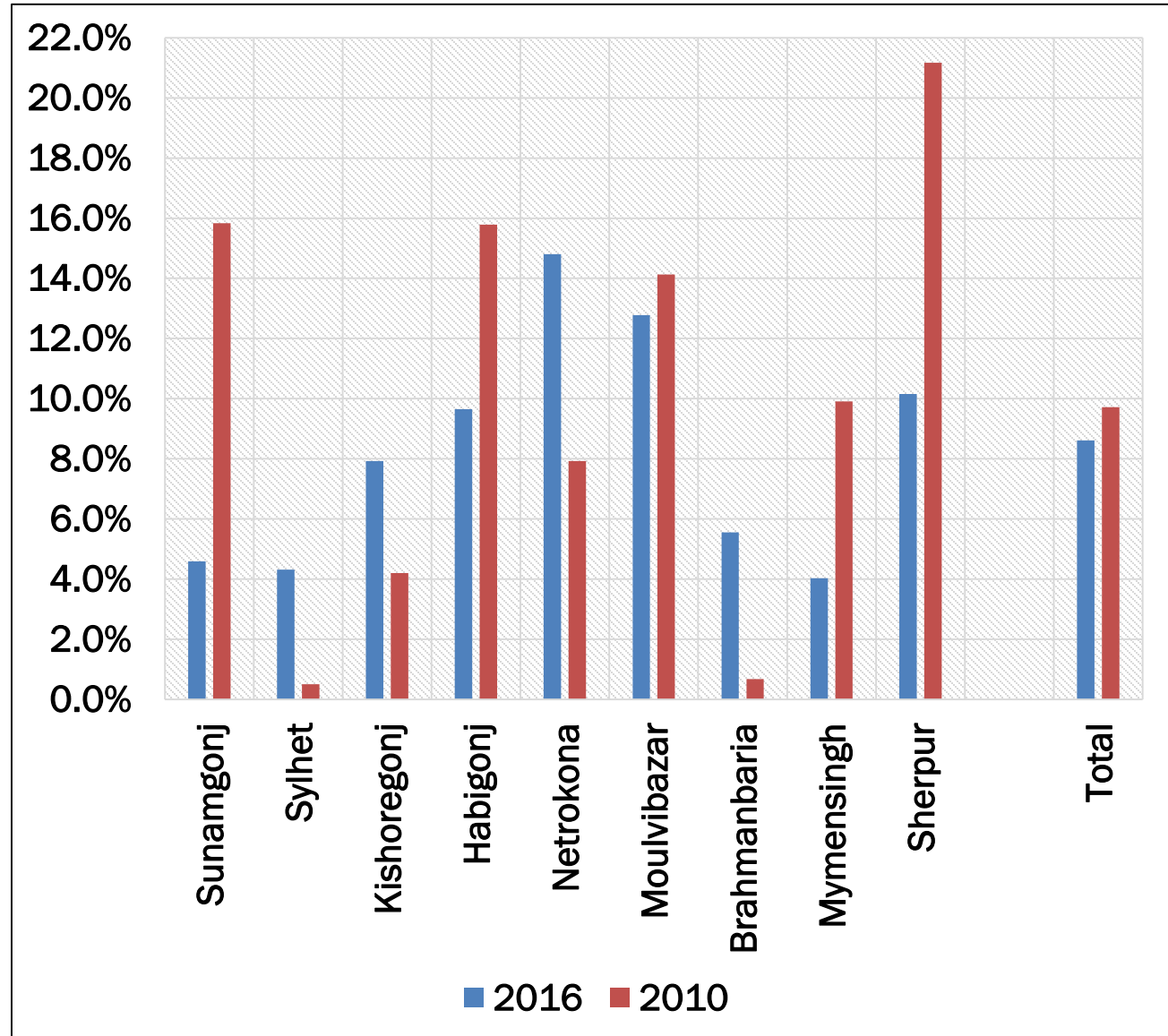
Percent of people living abroad

District	2016	2010**
Brahmanbaria	3.87	1.66
Habigonj	0.91	0.42
Kishoregonj	1.11	0.21
Moulvibazar	1.58	0.95
Mymensingh	0.36	0.5
Netrokona	0.69	-
Sherpur	0.76	0.32
Sunamgonj	0.87	0.25
Sylhet	1.72	0.35
Total*	1.23	0.46

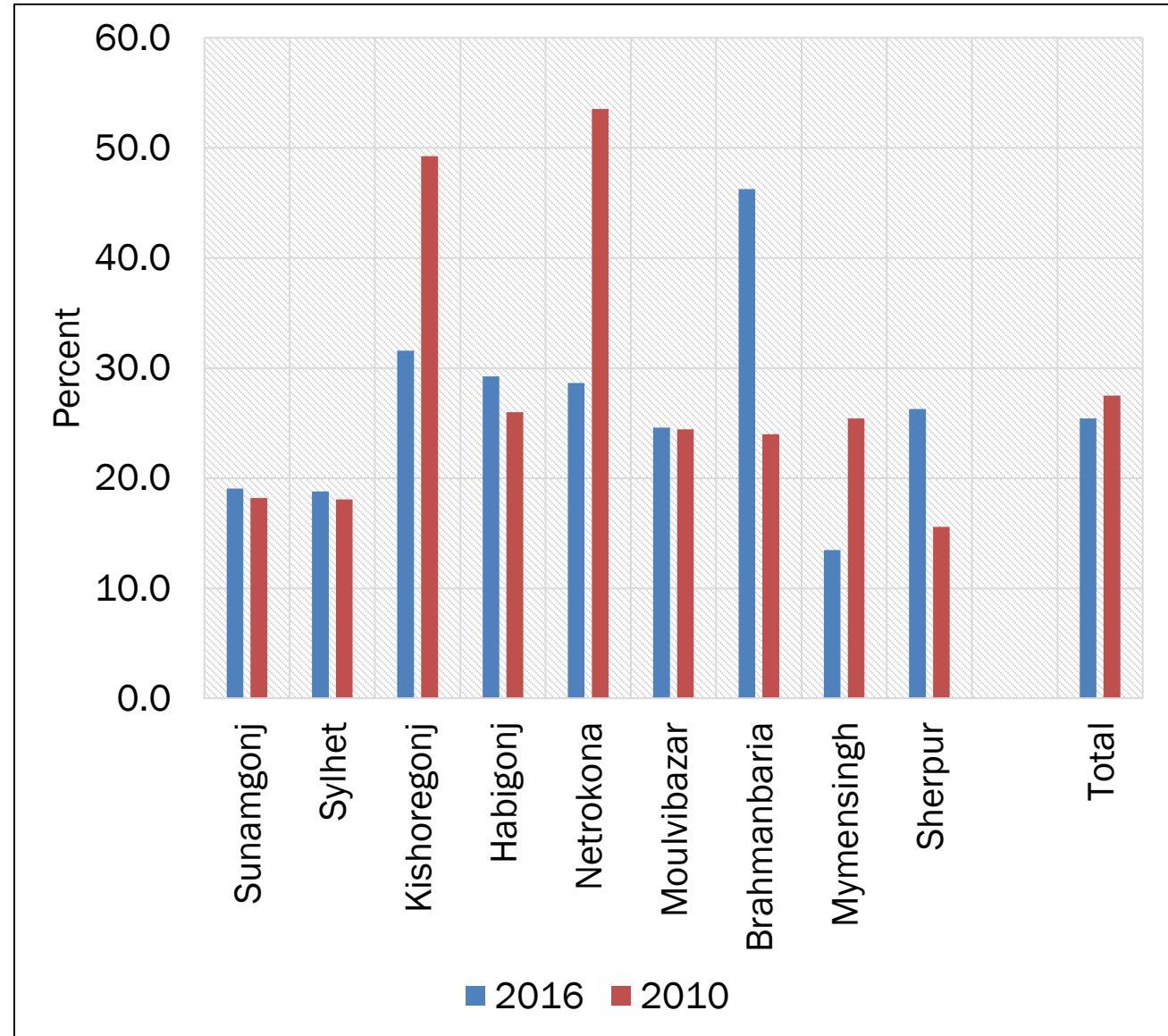
Use of remittance for consumption in percent



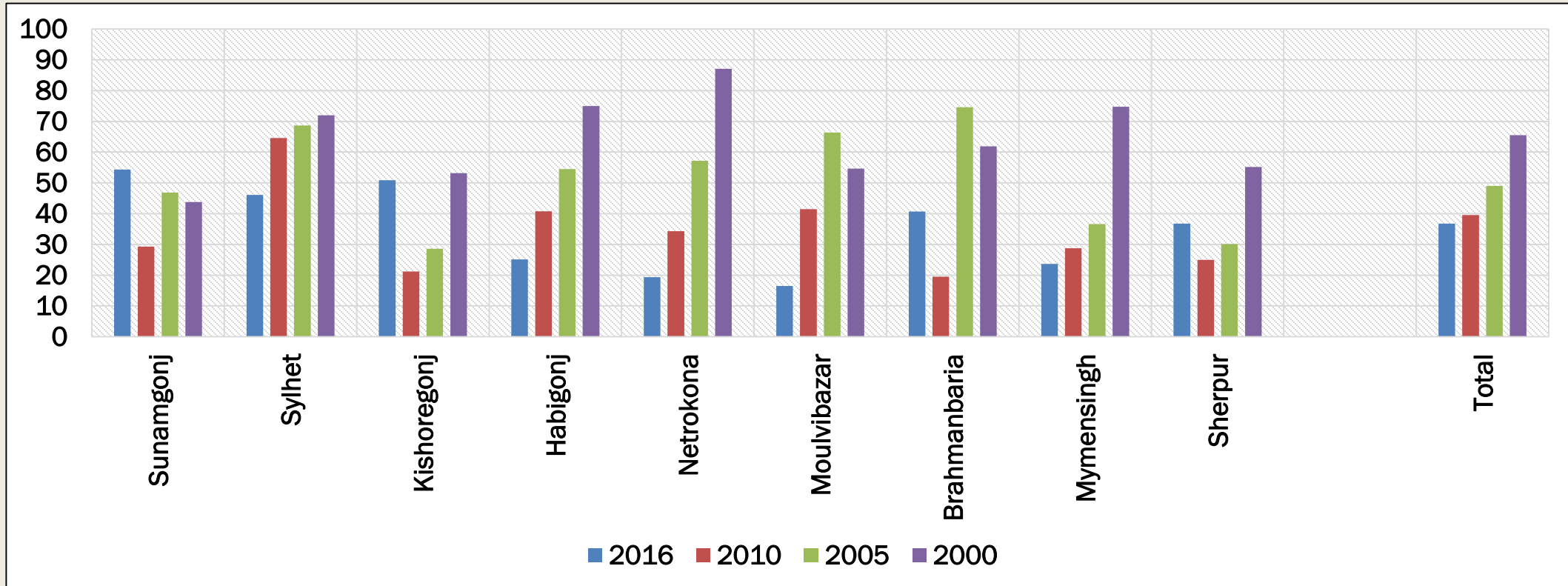
Savings in Microfinance institutions



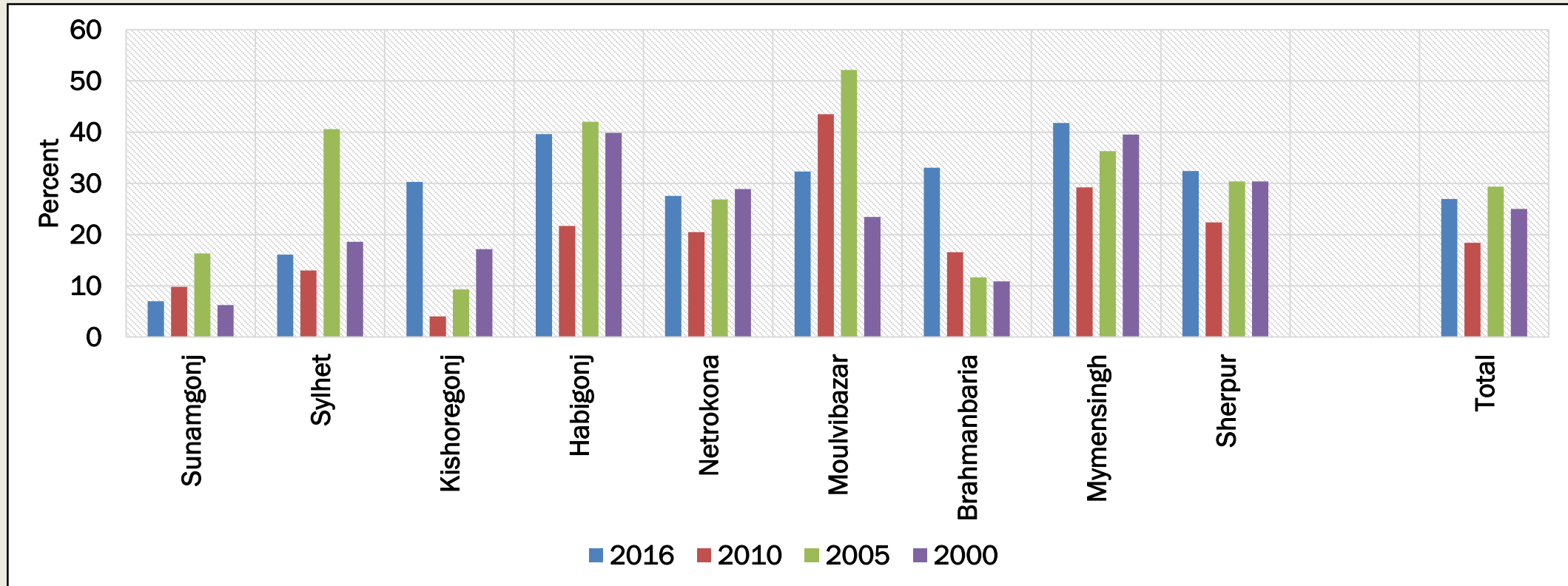
Percent of households borrowed money



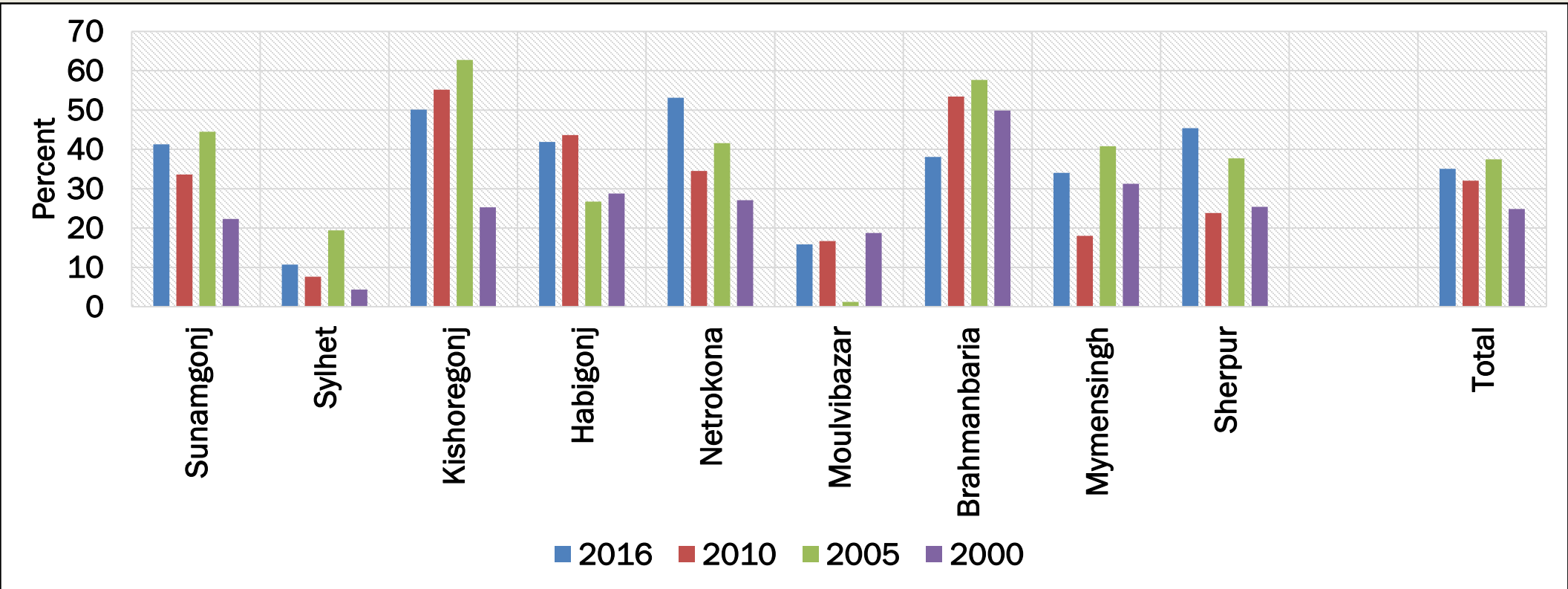
Percent of HH with non-agricultural enterprises in Fixed Location



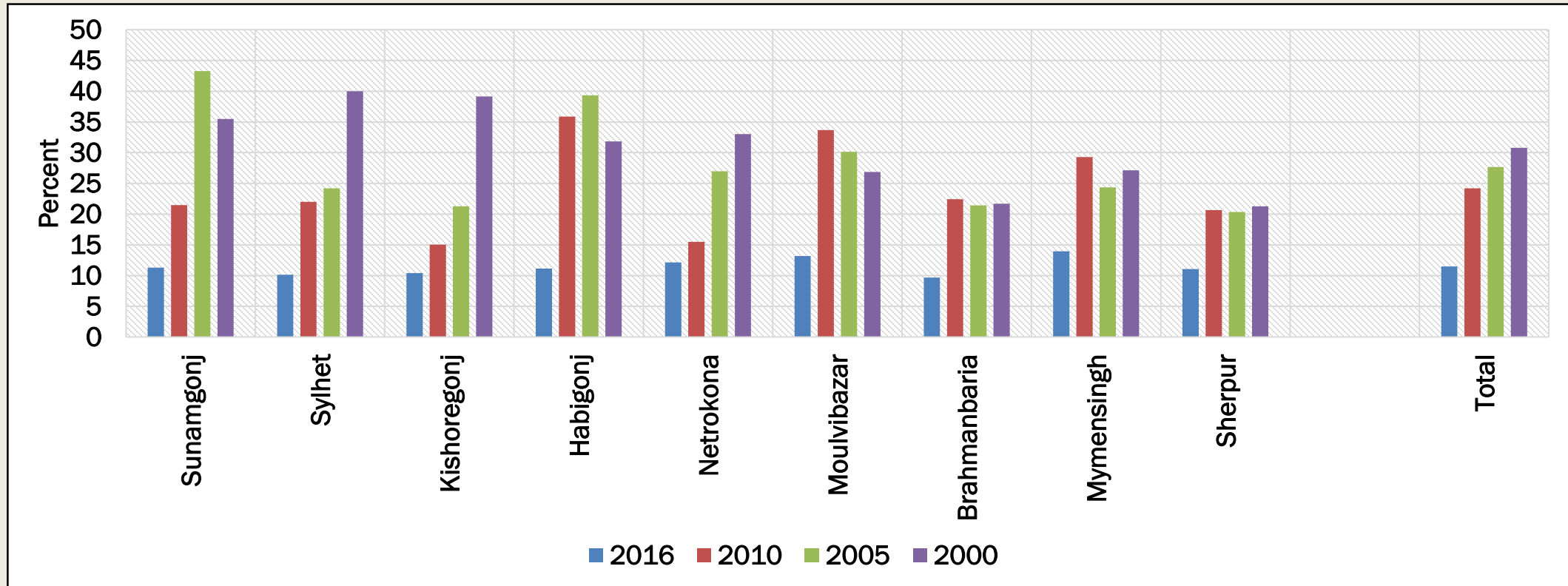
Percent of HH producing Aus-Aman rice (pre-kharif/kharif seasons)



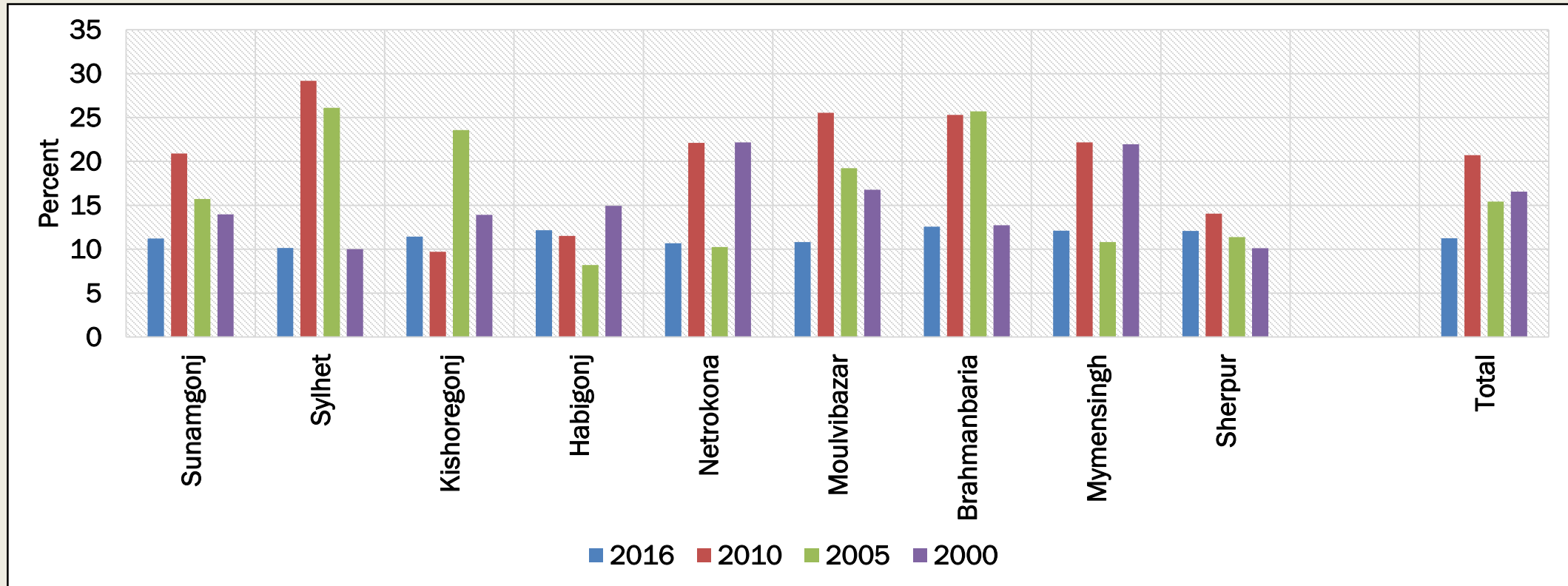
Percent of HH producing Boro rice



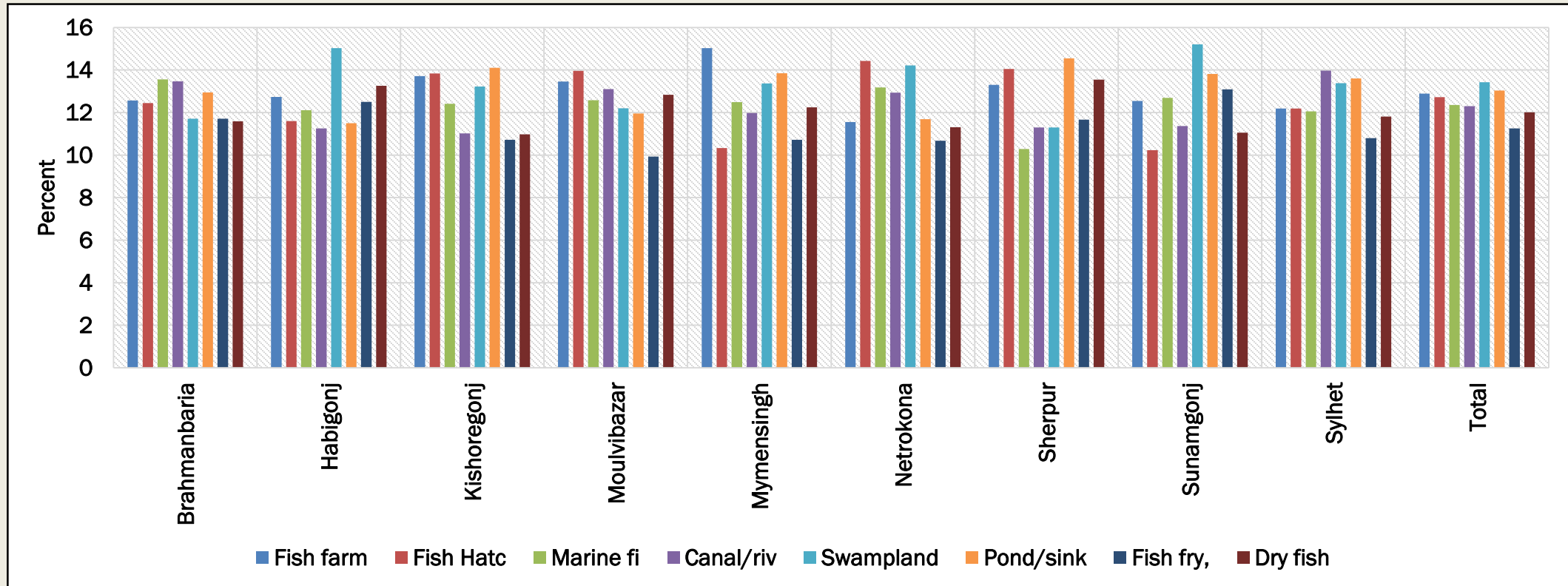
Percent of HH with cattles



Percent of HH having ducks



Percent of household in fisheries (2016)



Ownership of boats – changes over time

District	Country Boat				Engine Boat			
	2016	2010**	2005**	2000**	2016	2010**	2005**	2000**
Brahmanbaria	4	10.71	24.29	33.33	4	0.89	-	-
Habigonj	6.37	12.5	3.49	6.67	1.99	2.27	-	6.67
Kishoregonj	5.33	12.2	12.8	11.36	5.33	3.66	2.4	-
Moulvibazar	9.85	-	-	-	1.52	-	-	-
Mymensingh	-	0.49	-	-	-	-	-	-
Netrokona	11.51	5.75	5.6	2.08	1.19	-	0.8	-
Sherpur	0.56	-	1.27	2.63	0.56	-	2.53	-
Sunamgonj	11.44	40.95	16.55	18.67	2.97	0.95	0.69	-
Sylhet	6.19	-	0.98	15.38	2.06	-	-	-
Total*	7.63	15.56	7.7	8.23	2.14	0.9	0.85	0.19

Ownership of fishing nets - changes

District	Fishing Net			
	2016	2010**	2005**	2000**
Brahmanbaria	29	14.29	24.29	44.44
Habigonj	27.49	39.77	34.88	33.33
Kishoregonj	12.67	19.51	73.6	13.64
Moulvibazar	26.52	43.4	36.36	29.63
Mymensingh	19.86	87.25	53.02	11.73
Netrokona	41.27	16.09	67.2	27.08
Sherpur	21.11	45.83	63.29	31.58
Sunamgonj	46.61	24.29	40.69	34.67
Sylhet	32.99	3.13	60.78	34.62
Total*	31.59	34.32	55.04	25.43