

Number of Men and Women with and without epilepsy (Present Study)				
Age Group	Men with epilepsy	Men without epilepsy	Women with epilepsy	Women without epilepsy
0 to 4	11	3755	13	3165
5 to 9*	44	4953	14	3710
10 to 14	64	6038	53	4099
15 to 19	71	6024	56	4797
20 to 24	50	5651	33	5182
25 to 29	26	5413	30	5076
30 to 34	29	3593	19	3544
35 to 39	50	3482	39	3923
40 to 44	28	3180	27	2809
45 to 49*	11	3702	23	2862
50 to 54	14	2632	10	1935
55 to 59	11	1503	3	1537
60 to 64	9	1651	15	1725
65 to 69	11	1167	9	1634
70 to 74	9	1092	5	948
75 to 79	3	540	1	327
80 to 84	2	436	1	270
85 to 89	0	156	0	139
90 to 94	0	62	0	100
95 to 99	0	18	0	22
100 +	1	30	0	16
<b>TOTAL</b>	<b>444</b>	<b>55078</b>	<b>351</b>	<b>47820</b>
* = Statistically significant difference (p < 0.05)				
<b>Supporting Table 1</b>				

<b>Cases with dual diagnosis (Present study)</b>		
<b>S. No.</b>	<b>Combination of Diagnosis</b>	<b>No. of Cases</b>
1	inflammatory granuloma+ febrile seizures	1
2	inflammatory granuloma+ febrile seizures +	2
3	inflammatory granuloma+ vascular lesion	1
4	inflammatory granuloma + developmental anamoly	1
5	inflammatory granuloma + idiopathic generalised epilepsy	2
6	inflammatory granuloma + juvenile myoclonic epilepsy	1
7	inflammatory granuloma + other structural causes	1
8	Juvenile myoclonic epilepsy + post traumatic epilepsy	1
9	static encephalopathy + acute symptomatic seizures	1
10	static encephalopathy+ inflammatory granuloma	1
	TOTAL	12
<b>Supporting Table 2</b>		

Comparison of prevalence rates in the present and other South Asian studies											
	Crude					Age adjusted					
Study	Rate	95%CI	SE	Cases	Population	Rate	95%CI	SE	Cases	Population	Standard population
<i>a, b</i> Study	7.44*	6.92 - 7.96	0.26	779	104699	7.18*	6.68-7.68	0.26	779	104699	WHO standard population 2000 – 2025
	3.17	2.56 -3.7	0.29	116	36,595						
	4.9	4.54 -5.09	0.14	1,175	238, 102	4.7	4.43-4.97	0.14	1,175	238, 102	1980 US population
	<sup>c</sup> 5.58	3.99 -7.16	0.8	48	8595	<sup>d</sup> 6.93	5.3-8.56	0.83	69	8595	WHO standard population
	7.3	4.85 -9.8	1.25	34	4,636						
	3.91	3.34 -4.39	0.24	254	64963	3.8	3.33-4.27	0.23	254	64963	1970 US population
	4.2	3.43 -4.93	0.37	126	30000						
	2.47	2.08 -2.88	0.2	157	63,645						
<sup>c</sup> Study of ES <sup>8</sup>	5.35	5.26 -5.64	0.094	3,207	598910	5.59	5.21-5.96	0.19	853	174687	1991 Indian population
<i>b</i>	9.99	8.63 -11.25	0.64	241	24,130	9.85	8.61-11.09	0.63	241	24,130	1960 US population

Genetic plains region, *b* = Active epilepsy, *c* = Active or inactive not specified, *d* = Seizures versus epilepsy not clarified

95% confidence interval, SE=Standard error \* = Point prevalence rate (31<sup>st</sup> December 2007)

Comparison of Crude and Age standardized incidence rates									
Country study	Crude					Age Standardized			
	Rate	95% CI	SE	Cases per Year	Population	Rate	95% CI	SE	Standard Population
India <sup>Present Study</sup>	60.76	45.75 - 75.76	7.65	63	103693	63.42	47.76 - 79.08	7.99	WHO standard population based on World average population 2000-2020
India <sup>5</sup>	49.3	32.19 - 66.33	8.71	32	64 963				
India <sup>10</sup>	36.66	10.6 - 62.74	13.3	38 = 7.6 (Annual Average)	20,727	42.08	12.16 - 72.0	15.26	Standard World population
Tanzania <sup>11</sup>	73.3	32.19 - 114.49	20.99	122=12.2 (Annual Average)	Mean population= 16,635				
USA <sup>12</sup>	29.8	10.21 - 49.35	9.98	8.9= (Annual Average)	29885	30.8	10.56 - 51.04	10.32	US 1950 Population

CI = Confidence interval, SE= Standard error

**Supporting Table 4**

<b>Age Specific Incidence Rates</b>			
<b>Country</b> <sup>study</sup>	<b>Number of Peaks</b>	<b>Timing of Peaks (Age groups - Years)</b>	<b>Remarks</b>
India <sup>Present study</sup>	2	55 - 59, 75 – 79	Higher incidence in 0-19 year age group
India <sup>10</sup>	1	40 – 49	Higher incidence in 0-19 year age group No late life increase
Tanzania <sup>11</sup>	1	10 – 19	Relatively higher incidence in 0-9 and 20-29 year age groups Tendency to increase after 60 years
USA <sup>12</sup>	0	Not applicable	Higher incidence in 0-4 year age group Tendency to increase after 70 years
<b>Supporting Table 5</b>			

Comparison of Crude Sex Specific Incidence Rates in Various Studies										
Country study	Male Rate	95% CI	SE	Cases	Population	Female Rate	95% CI	SE	Cases	Population
India Present study	59.44	39.16 - 79.71	10.34	33	55522	62.28	39.99-84.56	11.37	30	48171
India <sup>10</sup>	38.25	1.67 - 74.83	18.66	21 (Annual average=4.2)	10,980	34.88	-2.2-71.96	18.92	17(Annual average=3.4)	9,747
Tanzania <sup>11</sup>	68.9	11.31 - 126.4	29.36	55 (Annual average=5.5)	7,988	77.5	18.81-136.16	29.94	67(Annual average=6.7)	8,647
USA <sup>12</sup>	41.4	6.48 - 76.28	17.81	54 (Annual average=5.4)	13050	20.8	-0.99-42.6	11.12	35(Annual average=3.5)	16835
CI = Confidence interval, SE= Standard error										
Supporting Table 6										

Country <sup>study</sup>	Age Specific Prevalence Rates in Various Studies			Peaks and Trends in Age Sex Specific Prevalence Rates		
	Number of Peaks	Period of Peaks(Years)	Remarks	Number of Peaks	Period of Peaks (Years)	Remarks
India <sup>Present study</sup>	3	10-19, 35-44 and 60-74		<sup>a</sup> 3	Males :15-19,35-39 and 65-69 Feames:10-14,35-39 and 60-64	
India <sup>2</sup>	1	10-19		<sup>a</sup> 1	Men in their 2 <sup>nd</sup> decade, women in their 3 <sup>rd</sup> decade	
India <sup>5</sup>	3	10-19, 50-59 and 80-89		Males:2 Females:3	Males : 2 <sup>nd</sup> and 6 <sup>th</sup> decades Females: 2 <sup>nd</sup> , 6 <sup>th</sup> and 9 <sup>th</sup> decades	
Meta-analysis of Indian Studies <sup>8</sup>	1	10-19		<sup>a</sup> 1	Men in their 2 <sup>nd</sup> decade, women in their 3 <sup>rd</sup> decade	
Pakistan <sup>9</sup>	1	20-29	Increase after 60			
<sup>b</sup> Tanzania <sup>11</sup>	2	20-29, 50-59		Males:1 Females:2	Males:20-29 Females:20-29, 50-59	Prevalence is higher after 60 in males
Croatia <sup>13</sup>	1	8-18	Lower prevalence after 65			
Tunisia <sup>14</sup>	1	10-19	Decrease after 40 years Increased moderately after 60 years	<sup>a</sup> 1	<sup>a</sup> 10-19	More increased in fe 70 years
USA <sup>15</sup>			<sup>c</sup> Steady increase till early 2 <sup>nd</sup> decade, relatively stable till 7 <sup>th</sup> decade and a rise thereafter			Increased through a stable until the 7 <sup>th</sup> de prevalence again inc and females
Saudi Arabia <sup>16</sup>	1	10-19		<sup>a</sup> 1	<sup>a</sup> 10-19	More increased in fe
<sup>a</sup> = for both males and females <sup>b</sup> = febrile seizures possibly included <sup>c</sup> =1st January 1980 prevalence <sup>d</sup> = on three prevalence days i.e.; 1st January 1960, 1970 and 1980.						
Supporting Table 7						

Sex Specific Prevalence Rates									
Country <sup>study</sup>	Rate (Males)	CI	SE	Cases	Popula tion	Rates (Female)	CI	SE	

							s)			
India <sup>Present study</sup>	Crude	8	7.25 - 8.74	0.38	444	55522	7.29	6.52 - 8.05	0.39	
	<sup>a</sup> Age Adjusted	8.13	7.37 - 8.89	0.38	444	55522	7.2	6.45 - 7.95	0.38	
India <sup>2</sup>	Crude	5.21	4.80 - 5.62	0.21	616	118,287	4.67	4.28 - 5.05	0.20	
	<sup>f</sup> Age Adjusted	4.94	4.55 - 5.33	0.20	616	118,287	4.37	4.01 - 4.73	0.18	
India <sup>3</sup>	Crude	4.74	2.76 - 6.72	1.01	22	4643	6.58	4.05 - 9.11	1.29	
India <sup>6</sup>	Crude	4.96	3.87 - 6.05	0.56	80	16131	3.32	2.36 - 4.28	0.49	
Meta analysis of Indian studies <sup>8</sup>	Crude	5.25	4.79 - 5.72	0.24	494	940 15	4.56	4.12 - 5.0	0.22	
Pakistan <sup>9</sup>	Crude	9.22	7.57 - 10.86	0.84	120	<sup>e</sup> 13021	10.90	8.95 - 12.83	0.99	
	<sup>d</sup> Age Adjusted	8.57	7.04 - 10.10	0.78	120	<sup>e</sup> 13021	11.73	9.64 - 13.82	1.07	
<sup>b</sup> Tanzania <sup>11</sup>	Crude	9.2	7.15 - 11.17	1.03	80	8,731	11.1	8.98 - 13.23	1.08	
	<sup>c</sup> Age Adjusted	10.4	8.12 - 12.68	1.16	80	8,731	13.0	10.51 - 15.49	1.27	
Croatia <sup>13</sup>	Crude	5.4	4.9 - 5.8	0.23	552	NA	4.3	3.9-4.7	0.20	
USA <sup>15</sup>	Crude	6.31	5.34 - 7.28	0.49	163	25,819	7.18	6.23 - 8.13	0.48	
	<sup>f</sup> Age Adjusted	6.40	5.42 - 7.38	0.50	163	25,819	7.14	6.20 - 8.08	0.48	
Saudi Arabia <sup>16</sup>	Crude	8.35	6.66 - 10.04	0.86	94	11 256	4.75	3.48 - 6.01	0.65	
a = 2001 Indian population, b = Possible inclusion of febrile seizures, c = 1970 US population, d = 1960 US population, e = Approximately calculated, CI = Confidence interval, SE = Standard error, NA = Not available										
Supporting Table 8										

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