

Effects of Base Station Radiations in Sudan

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Abstract: Radiation caused by the electromagnetic fields (EMFs) of radio frequencies (RF) generated by the telecommunication system is one of the greatest environmental problems of the twentieth century. So, This Paper Discusses the Effect of Mobile Tower Radiations for Different Service Providers In Sudan.

Keywords: Mobile Tower Radiations, Electromagnetic, Signal Strength, Mobile Phone

1. Introduction

Mobile Phones usage serves Communications at Home, Work, public places, etc; but not all of the users concerned about their health implications and possible safety measures. Most of The people are not aware of mobile phone and cell tower radiations which are very harmful due to Electromagnetic Radiation (EMR) .in this paper the next section convey the methodology, section 3 involved results and discussion and section 4 concludes the paper

2. Methodology

This section describes the methodology and the methods used in the analysis of the results and The Effects of base station Radiation on Human Health.

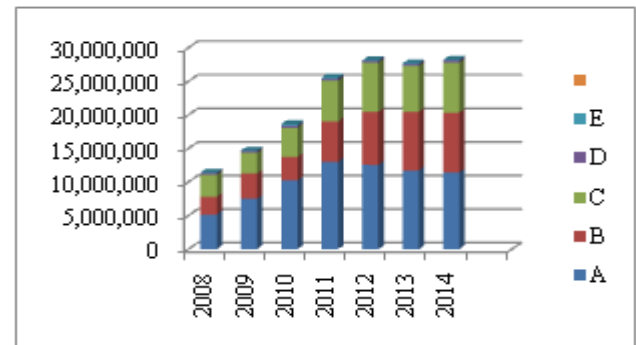


Figure 1: Participants in the telecommunications companies in Sudan

Table 1: Participants in the telecommunications companies in Sudanese company from 2008 to 2014

year * gender Cross tabulation Count			
Year	Gender		Total
	male	female	
2009	63	45	108
2010	68	35	105
2011	69	48	117
Total	200	128	330

Table 2: Number of ALL cancer patients'

	2008	2009	2010	2011	2012	2013	2014
A	5,160,548	7,500,000	10,249,505	12,995,308	12,556,542	11,730,836	11,400,990
B	2,647,847	3,772,556	3,474,879	6,028,312	7,904,924	8,728,195	8,954,124
C	3,250,000	3,074,682	4,368,847	6,083,723	7,298,328	6,815,058	7,441,497
D	274,360	297,311	304,255	312,941	315,681	319,790	320,842
E	85,000	66,112	237,064	171,337	78,597	94,868	94,264

3. Results and Discussion

Table 1 shows the number of subscribers in some Sudanese companies from 2008 to 2014. This is illustrated also by figure 1. Table 2 shows the increase of the number of ALL cancer patients in 2009-2011. Figure 2 illustrates the number of tumor cancer patients. It is clear that the pattern of increase in the number of cancer patients is more or less similar to that of increase in the number of subscribers. This very clear in the period from 2000 to 2014.

Consequently this issue should be father studies and investigated to harmful negative at this useful technology.

4. Conclusion

Most Of the People Are Not Aware of Mobile Phone and Cell Tower Radiations Which are Very Harmful Due To (EMR) Exposure. With respect to this Issue. The paper discussed Case Studies for Different Service Providers in Sudan; This Paper concludes that one should aware of mobile tower radiations. People living near cell tower receive strong strength but this is harmful for Health. So, more attention should be paid for such issues.

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