

# A Study to Assess the Attitude towards Application of Evidence-based Education System among Post-graduate Students of Sumandeep Vidyapeeth

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**Abstract--- Background:** Evidence-based education (EBE) is the use of well-structured scientific studies to find out which education methods work best. It consists of evidence-based teaching and evidence-based learning and evidence based clinical practices too. Furthermore, it's also considered as a key stone for health care system. Further attention and care is needed on strategies that not only focus on issues or problems occurs but to have the capacity to change and competence to face the challenge of providing such EBP in education and clinical aspect.

**Objectives:** Descriptive study to assess attitude of post graduate student towards application of Evidence-based Education System and to find out association of it with selected demographic variables.

**Materials and Methods:** Quantitative research approach with descriptive design used. Convenience sampling technique was used to select 252 post graduate students of Sumandeep Vidyapeeth and data collection was done with Self structured attitude scale. Data was analysed with descriptive and inferential statistics.

**Result:** It revealed that 84.5% PG students have positive attitude and 15.5% student have negative attitude toward EBES. There is association of the attitude with some of the selected demographic variables such as year of study and course of study at 0.05 level of significance.

**Conclusion:** The study revealed that most of the students have a positive attitude toward EBES. First year students have positive attitude more than other students.

**Keywords---** Evidence based Education System, Attitude, PG Nursing Students.

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## I. INTRODUCTION

Evidence-based methods have been shown to increase the rate at which a student may learn effectively. The evidence-based education system has its roots toward evidence-based practice.<sup>1</sup> Further attention is needed on strategies that not only focus on problems or issues but to have the capacity and competence to face the problems and challenge of providing such evidence based system in education and clinical practice.<sup>2</sup>

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Evidence-Based Education (EBE) gives the idea that educational policy and clinical practice should be guided by the best evidences. It means that specific strategies and policies should be continuously evaluated before they are implemented or required.<sup>3</sup>

Evidence based education is approach that may help medical personal to manage the explosion of new literature and procedure and ultimately it may result in good clinical quality care and improved patient health outcomes.<sup>4</sup> Evidence based practice (EBP) also involves an ability to access the data, summarize and apply from the literature to daily clinical problem. It emphasis on planned observation and finding research literature which helps in substantiate personals decision.<sup>5</sup> According to Vortherms et al., implementation of evidence-based oncology outpatient staffing system improved patient and nurse satisfaction working efficiency, reduced over time.<sup>6</sup>

Only textbook and expert knowledge dose not promote the critical analytical thinking. Medical and Para medical students must survive in the current clinical setting so students must learn about developing independently and evidence-based methods of clinical practice. Evidence based education allow faculty as well as students to improve their clinical training and experience with innovative research.<sup>7</sup>

## II. MATERIAL AND METHODS

The research design selected for this study was descriptive design. The population in the study consisted PG students of Sumandeep Vidyapeeth, Vadodara. In the present study, sample consist of 252 post graduate students who were selected by convenience sampling technique. The tool consists of demographic variables and self-structured attitude scale to assess attitude of EBES. A self-structured attitude scale was fill up by PG students, who gave their consent to participate in the study after explanation of its purpose and instructions.

Data collection process was extended up one week and completed within one week. Total 252 samples were involved in study as per the inclusion and exclusion criteria.

The data was analysed in term of objectives of the study using descriptive statistics (chi-square). The data was plotted in the master sheet.

## III. FINDINGS

**Frequency Percentage of attitude:** The table depict that majority of students have positive attitude toward the application of toward EBES.

<i>Sr. No</i>	<i>Characteristics</i>	<i>Frequency (%)</i>
1	Positive Attitude	212 (84.5%)
2	Negative Attitude	39 (15.5%)

**Association between Socio demographic variable and attitude towards EBES:** The table reveals the association of the attitude with some of the selected demographic variables such as year of study and course of study at 0.05 level of significance.

## IV. DISCUSSION

The result revealed that, 84.5%PG students have positive attitude and 15.5%student have negative attitude toward EBES. The study findings are supported by a descriptive study conducted on assessment of knowledge,

attitude and practice related to evidence-based dentistry in Isfahan University of Medical Sciences, Iran revealed that the improve knowledge and positive attitude toward EBD in dental students.<sup>8</sup> Another study on Knowledge, attitudes and practice of physicians toward evidence-based medicine reviews done which shows that physicians have positive attitude toward EBM and almost believe that its implementation improves patient quality of care.<sup>9</sup> Another cross sectional survey on evidence-based practice among physiotherapist in Gujarat held which conclude positive attitude and belief regarding EBP.<sup>10</sup> A national survey among students of medicine and health sciences in Hungary shows the attitude toward EBM is positive among studnets.<sup>11</sup> Apart from medical students nurses are also having positive attitude towards EBES supported by cross sectional study on nurses perception of EBNP conclude positive attitude among nurses.<sup>12</sup>

The result shows that, first year student have more positive attitude. In contrast a cross sectional survey study on attitude toward evidence-based medicine among medical students of Universidad Medical School of Argentina revealed statistical difference on attitude among all the years of medical students.<sup>13</sup> In contrast another study descriptive cross sectional survey on evidence based practice competence in undergraduate nursing students shows an appropriate competence level in EBP with gradual increase by year of study.<sup>14</sup> A mix method study conducted on attitude and perception of EBP shows significant difference with regards to perception. Junior cohorts and students with previous education had less favourable perception.<sup>15</sup>

## V. CONCLUSION

The study concludes that most of the post graduate students have positive attitude toward EBES. Mainly First year student has positive attitude toward EBES more than other students and Medical students have positive attitude toward EBES compared to other courses of study. EBES is the modern concept which should be included in each course of health care sectors.

### *Ethical Approval*

Informed consent was obtained from participants and assured for anonymity. Since the study involved human subjects, a formal ethical approval received from institutional ethical committee.

### *Conflict of Interest*

The author declares that they have no conflicts of interest.

### *Funding*

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