

# **Factora affecting children immunization in Lahore**



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## DECLARATION

I Syeda Tahseen Fatima ID # 14001203003 Session 2013-2015, hereby certify that this thesis is being submitted in partial fulfillment of the requirements for the MS degree in Applied Statistics. This thesis is my original work, and the data/material presented herein has not been used for the acquisition of any other degree from any institution.

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# Acknowledgment

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*Dedication*

*I dedicate this humble effort to my affectionate Parents, & my  
Husband.*

## **Abstract:**

Immunization is the cost effective way to prevent disease with use of vaccine. In 1974 WHO introduce expanded program of immunization (EPI) to vaccine children throughout the world. Cross sectional study was conducted to contribute information regarding factors effecting immunization in children <3 years of age at Lahore.

Immunization coverage is better in Lahore as compare to other cities but still vaccination status of children in Lahore is not 100%. Factors may include poor knowledge about vaccination nearby health care center, vaccination card etc... Interviews were conducted specifically designed questionnaire with question about reasons of poor immunization status among children. Analysis included descriptive and cluster analysis is used. Two clusters were formed, in cluster 1, Parents had illiterate (Mother 96.8% & Father 48.5%). 92.5% parents had knowledge about vaccination. In cluster 2, Parents had also illiterate (Mother 96.8% % Father 64.8. The application of Health facility by the population of Lahore is better. In immunization status is not up to the target and various determinants are attached with the poor immunization status. If those determinants for vaccination were escaped, the coverage of vaccine could easily reach national targets.

Access to nearby health care facility, parental educational levels, socioeconomic status, and knowledge about the vaccination can contribute to the better immunization status in Lahore.

# Table of Contents

<b>Chapter 01 Introduction.....</b>	<b>1</b>
1.1 Introduction:.....	2
<b>Chapter 02 Literature Review .....</b>	<b>5</b>
<b>Literature.....</b>	<b>6</b>
2.1 Overview of BCG Immunotherapy Weakened .....	9
2.2 Pathogenesis:.....	9
2.3 Mechanism of Action of BCG: .....	10
2.4 Contraindications to BCG:.....	10
2.5 BCG Strains:.....	10
2.6 Adverse Effect of BCG: .....	11
Objectives.....	11
<b>Chapter 03 Research Methodology .....</b>	<b>12</b>
<b>Fully Immunized Child (FIC).....</b>	<b>13</b>
3.1 Target Population: .....	13
3.2 Study design:.....	13
3.3 Hypothesis:.....	13
3.4 Sampling technique:.....	13
3.5 Data Collection Procedure: .....	14
3.6 Data analysis:.....	15
3.7 Cluster Methodology: .....	15
<b>Chapter 04 Results &amp; Discussion.....</b>	<b>18</b>
4.1 Descriptive Analysis:.....	18
4.2 Cluster Analysis.....	20
<b>Chapter 05 Conclusions.....</b>	<b>35</b>
5.1 Results & Discussion:.....	36
5.2 Recommendations .....	36
5.3 Limitations:.....	37
5.4 References .....	38

## List of Tables

Table No	Description	Page NO
Table 1	Demographic Information about Respondents	18
Table 2	Factors about incomplete immunization status	19
<b>Tables according to Two cluster with individual variables</b>		
Table 3	Availability of EPI Card	21
Table 4	Education of Mother	21
Table 5	Education of Father	22
Table 6	Distribution of Gender	22
Table 7	Immunization status	22
Table 8	Income status	23
Table 9	Knowledge about vaccination	23
Table 10	Distribution of Respondents according to nearby health care	24
Table 11	Distribution of Respondents in Zones area	24
<b>Tables according to Four cluster with individual variables</b>		
Table 12	Gender Distribution	26
Table 13	Income status	26
Table 14	Education o Father	27
Table 15	Education of Mother	27
Table 16	Distribution of respondents according to Nearby health care	28
Table 17	Knowledge about vaccination	28
Table 18	Availability of EPI Card	29
Table 19	Immunization Status	29
Table 20	Distribution of Respondents in Two cluster	30
Table 21	Distribution of Respondents in Four Clusters	31

## List of Abbreviation

<b>EPI</b>	Expanded Program on Immunization
<b>BCG</b>	Bacillus Chalmette –Guerin
<b>DTP</b>	Diphtheria
<b>MCV</b>	measles
<b>PCV3</b>	Pneumococcal Conjugate vaccine

# Introduction

The Expanded Program on Immunization (EPI) is a World Health Organization program with the goal to create vaccines available to all children throughout the world. In 1984, after ten years later introduced this program, WHO recognized a vaccination program new EPI (Expanded Program on Immunization) which was standardized.