

# Knowledge, Attitude, and Practices of Mothers on Child's Immunization Among Selected Barangays of Alicia, Isabela

Markhipolito P. Galingana<sup>1</sup>, Rikka Klaire V. Galingana<sup>2</sup>, Patrick B. Apolonio<sup>3</sup>, Charlene T. Ariola<sup>4</sup>  
Zeecel Jhiane E. Daracan<sup>5</sup>, Kazzandra Mae B. Daquioag<sup>6</sup>, Princess Lei D. Gasmin<sup>7</sup>

Research Coordinator, College of Nursing, Isabela State University, Isabela, Philippines<sup>1</sup>

Research Adviser, College of Nursing, Isabela State University, Isabela Philippines<sup>2</sup>

Nursing Students, College of Nursing, Isabela State University, Isabela, Philippines<sup>3,4,5,6,7</sup>

**Abstract:** *The number of births in the year 2020 did not tally to the number of vaccinated children in Alicia, Isabela. A total of 960 live births occurred in that year, but statistical data revealed that only 842 babies received and complied with the Hepatitis B vaccination, leaving 118 infants unvaccinated. This study was conducted to determine the level of knowledge, attitude, and practices of mothers on child's immunization among selected Barangays of Alicia, Isabela. A questionnaire was adopted from previous research with the title Knowledge, Attitude, Practices of Maguindanaoan Mothers on Child's Immunization in Selected Barangays in Batulawan, Pikit, North Cotabato (Kulintang, 2017). The study utilized non-probability purposive sampling with 50 respondents and were given to mothers with children ages 0-5 years old. The data was analyzed using frequency counts, mean, percentages, Analysis of Variance (ANOVA), and Independent Sample T-Test. The result indicated that the respondents have a high level of knowledge on childhood immunization. They also have a good attitude which was shown by their agreement with the positive effects of childhood immunization. In addition, they always practice good habits in terms of immunizing their children.*

**Keywords:** Knowledge; Attitude; Practices; Immunization.

## REFERENCES

- [1]. Adefolalu, O. A., et al. (2019). Maternal knowledge, attitude and compliance regarding immunization of under five children in Primary Health Care centres in Ikorodu Local Government Area, Lagos State. 10.4103/jcls.jcls\_55\_18
- [2]. Alchmer. (2021). Purposive Sampling 101. <https://www.alchmer.com/resources/blog/purposive-sampling-101/>
- [3]. Alshammari, T.M., et al. (2018) Assessment of Knowledge, Attitude and Practice of Parents about Immunization in Hail City, 2018. [https://journals.ekb.eg/article\\_14358\\_2a2d009bca2237f09bfe87facde41a64.pdf](https://journals.ekb.eg/article_14358_2a2d009bca2237f09bfe87facde41a64.pdf)
- [4]. Amor, M.H., et al. (2021). Parent's Knowledge, Attitude, and Practices towards Polio Vaccination in Quezon City, Philippines. International Journal of Progressive Research in Science and Engineering. <https://journals.grdpublications.com/index.php/ijprse/article/view/412>
- [5]. Aregawi H. G., et al. (2017). Determinants of defaulting from completion of child immunization in Laelay Adiabo District, Tigray Region, Northern Ethiopia: A case-control study. <https://doi.org/10.1371/journal.pone.0185533>
- [6]. Balogun, S., et al. (2017). Maternal Education and child Immunization. The mediating roles of maternal literacy and socioeconomic status. Pan African Medical Journal 26. 10.11604/pamj.2017.26.217.11856.
- [7]. Beiersmann, C., et al. (2018). Community perception regarding childhood vaccinations and its implications for effectiveness: a qualitative study in rural Burkina Faso. BMC public health. <https://doi.org/10.1186/s12889-018-5244-9>

- [8]. Carpiano, R.M., et al. (2019). Socioeconomic status differences in parental immunization attitudes and child immunization in Canada: Findings from the 2013 Childhood National Immunization Coverage Survey (CNICS). <https://doi.org/10.1016/j.yjped.2019.03.033>
- [9]. Casiño, J.J. & Walag, A.M. (2020). Design and Development of a Science Literacy Material on Vaccination as an Intervention Campaign for Parents of High School Students in the Philippines. *American Journal of Educational Research*. 10.12691/education-8-10-4
- [10]. Center for Disease Control and Prevention. (2020). Vaccines and Immunizations. <https://www.cdc.gov/vaccines/terms/glossary.html> <https://www.cdc.gov/vaccines/vac-gen/imz-basics.htm>
- [11]. Eva, F. (2019). How measles causes the body to ‘forget’ past infections. 10.1126/science.366.6465.560
- [12]. Forshaw, J., et al. (2017). The global effect of maternal education on complete childhood vaccination: a systematic review and meta-analysis. *BMC Infect Dis*. 10.1186/s12879-017-2890-y.
- [13]. Glass, G. V & Hopkins, K.D. (1984). *Statistical Methods in Education and Psychology*, 2nd Edition. Englewood Cliffs, NJ: Prentice-Hall. 10.12691/education-6-6-11
- [14]. Giubilini, A., Douglas, T., & Savulescu, J. (2018). The moral obligation to be vaccinated: utilitarianism, contractualism, and collective easy rescue. *Medicine, health care, and philosophy*. <https://doi.org/10.1007/s11019-018-9829-y>
- [15]. Gouglas, D., et al. (2018). Estimating the cost of vaccine development against epidemic infectious diseases: a cost minimisation study. *Lancet Glob Health*. 10.1016/S2214-109X(18)30346-2
- [16]. Guevarra, J.L., et al. (2021). Scared, powerless, insulted and embarrassed: hesitancy towards vaccines among caregivers in Cavite Province, the Philippines. *BMJ Specialist Journal*. <https://gh.bmj.com/content/6/9/e006529>
- [17]. Gundogdu, Z. (2020). Parental Attitudes and Perceptions Towards Vaccines. *Cureus*. <https://doi.org/10.7759/cureus.7657>
- [18]. Handy, L. K., et al. (2017). The impact of access to immunization information on vaccine acceptance in three countries. <https://doi.org/10.1371/journal.pone.0180759>
- [19]. Holipah. et al. (2018) Determinants of immunization status among 12- to 23- month-old children in Indonesia (2008-2013): a multilevel analysis. *BMC Public Health*. 10.1186/s12889-018-5193-3
- [20]. Hooda, SK. (2017). Out-of-pocket Payments for Healthcare in India: Who Have Affected the Most and Why? *Journal of Health Management*. 10.1177/0972063416682535
- [21]. *International Journal of Transformations in Business Management (IJTBM)*. 2012 <http://www.ijtbm.com/>
- [22]. Kagoné, M., et al. (2018). Community perception regarding childhood vaccinations and its implications for effectiveness: a qualitative study in rural Burkina Faso. *BMC Public Health*. <https://doi.org/10.1186/s12889-018-5244-9>
- [23]. Kibreab, F., Lewycka, S., Tewelde, A. (2020). Impact of mother's education on full immunization of children aged 12-23 months in Eritrea: population and health survey 2010 data analysis. *BMC Public Health*. 10.1186/s12889-020-8281-0
- [24]. Kuihua, Lv, Zhao J., Zhang P. (2021). The effect of community comprehensive nursing using scenario-based health education on the infant and young child immunization rates. *American journal of translational research*. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8430158/>
- [25]. Kulintang, Mohammed Bien. (2019). Knowledge, Attitude, And Practices Of Maguindanaon Mothers On Child's Immunization In Selected Barangays In Pikit, North Cotabato.
- [26]. MacDonald, N. E., Harmon, S., Dube, E., Steenbeek, A., Crowcroft, N., Opel, D. J., ... Butler, R. (2018). Mandatory infant & childhood immunization: Rationales, issues and knowledge gaps. <https://pubmed.ncbi.nlm.nih.gov/30143274/>
- [27]. Matta, P., et al. (2020). Parents' knowledge, attitude and practice towards children's vaccination in Lebanon: role of the parent-physician communication. *BMC Public Health*. <https://doi.org/10.1186/s12889-020-09526-3>
- [28]. McCombes, S., 2021. Sampling Methods | Types and Techniques Explained. Scribbr. <<https://www.scribbr.com/methodology/sampling-methods/>>

- [29]. Meleko, A., Geremew, M., Birhanu, F. (2017). Assessment of Child Immunization Coverage and Associated Factors with Full Vaccination among Children Aged 12–23 Months at Mizan Aman Town, Bench Maji Zone, Southwest Ethiopia. *J Pediatr.* 10.1155/2017/7976587.
- [30]. Merriam – Webster. (2022). “knowledge.” <https://www.merriam-webster.com/dictionary/knowledge>
- [31]. Merriam – Webster. (2022). “Attitude.” <https://www.merriam-webster.com/dictionary/attitude>
- [32]. Merriam – Webster. (2022). “Practices.” <https://www.merriam-webster.com/dictionary/practices>
- [33]. Miolo, G. (2020). Contemporary polio eradication in outbreak countries: the case in the Philippines
- [34]. National Nutrition Council. (2018). Garantisadong Pambata to fight for child health and survival. <https://www.nnc.gov.ph/regional-offices/visayas/region-vii-central-visayas/2498-garantisadong-pambata-to-fight-for-child-health-and-survival>
- [35]. National Research Council (US); Institute of Medicine (US), et al. (2004). Children’s Health: A New Conceptual Framework. <https://www.ncbi.nlm.nih.gov/books/NBK92198/>
- [36]. Nguyen, N.T., et al. (2017). Digital immunization registry; evidence for the impact of health on enhancing the immunization system and improving immunization coverage for children under one year old in Vietnam. 10.21037/mhealth.2017.06.03.
- [37]. Raguindin, P.F., et al. (2021). Timeliness of childhood vaccinations in the Philippines. *J Public Health Pol.* <https://doi.org/10.1057/s41271-020-00255-w>
- [38]. Ridad, G. S. (2019). Barriers to Adherence to Expanded Program on Immunization among Parents in Lanao Del Norte, Philippines. *Belitung Nursing Journal.* <https://doi.org/10.33546/bnj.695>
- [39]. Riumallo-Herl C., et.al. (2018). Estimation of distribution of childhood diarrhoea, measles, and pneumonia morbidity and mortality by socio-economic group in low-income and middle-income countries. [https://doi.org/10.1016/S2214-109X\(17\)30122-5](https://doi.org/10.1016/S2214-109X(17)30122-5)
- [40]. Ulep, V.G., & Uy, J. (2021) An Assessment of the Expanded Program on Immunization (EPI) in the Philippines: Challenges and Ways Forward. <https://pidswebs.pids.gov.ph/CDN/PUBLICATIONS/pidsdps2104.pdf>
- [41]. Unicef. (2021). Vaccination and Immunization Statistics. <https://data.unicef.org/topic/child-health/immunization/>
- [42]. Valido, E.M., Laksanawati, I.S. & Utarini, A. (2018). Acceptability of the dengue vaccination among parents in urban poor communities of Quezon City, Philippines before and after vaccine suspension. *BMC Res Notes.* <https://doi.org/10.1186/s13104-018-3766-y>