

4th International Symposium of Public Health

ANNOUNCEMENTS

ARCHIVES SPECIAL ISSUES -

CURRENT ISSUE AHEAD OF PRINT

ABOUT THE JOURNAL BOARD









Search

EDITORIAL BOARD

HOME / Editorial Board

Editorial Board

Editor in Chief

Luigi Barberini

University of Cagliari and University Hospital of Cagliari, Italy

Degree in Physics in 1998, PhD in Chemistry in 2007 and Medical Physics Specialization in 2013. Medical Physicist at the University Hospital of Cagliari AOUCA, Italy, and Coordinator of the Medical Physics Service in AOUCA.

Coordinator of the Italian Research Unit "Unità di Analisi dei Segnali e delle BioImmagini", University of Cagliari, Italy (https://people.unica.it/uasb/).

Expert in Medical Physics Expert for the NIR (Non Ionizing Radiation") Expert for Magnetic Resonance Safety Expert for the Medical LASERs Safety Expert for Electromagnetic Fields Safety

My researches are devoted to developing new methods of integration between imaging and innovative biological techniques (Metabolomics) to improve the quality of diagnosis processes. As Coordinator of the medical Physics Service of the AOUCA, my contributions are strictly related to quality safety and cost-effectiveness of healthcare services. From this point of view, my activities are patient-oriented, and I am involved in the specification, selection, acceptance testing, commissioning, quality assurance/control and optimised clinical use of medical devices. Further, my activity regard patient risks evaluation and protection from all associated physical agents (xrays, electromagnetic fields, laser light, radionuclides activity), including the prevention of unintended or accidental exposures.

Web of Science Researcher ID G-3669-2012 Scopus Author ID 6603032291

Associate Editors

Laura Atzori

Associate Professor in Dermatology

Department of Medical Sciences and Public Health, University of Cagliari, Italy

Antonella Balestrieri

Researcher in Radiology Department of Medical Sciences and Public Health, University of Cagliari, Italy

Doris Barcellona Researcher in Internal Medicine Department of Medical Sciences and Public Health, University of Cagliari, Italy

Francesco Campanella

Department of Occupational and Environmental Medicine, Epidemiology and Hygiene, Worker Compensation Authority (INAIL), Italy

Mauro Carta Department of Medical Sciences and Public Health, University of Cagliari, Italy

Giulia Cossu

Researcher in Clinical Psychology Department of Medical Sciences and Public Health, University of Cagliari, Italy

Danial Kahrizi Razi University, Kermanshah, Iran

Claudia Fattuoni

Researcher in Chemistry Department of Geological Sciences and Chemistry, University of Cagliari, Italy

Pierpaolo Ferrante

Department of Occupational and Environmental Medicine, Epidemiology and Hygiene, Worker Compensation Authority (INAIL), Italy Jutta Lindert

Full professor of Public Health at the University of Emden, Germany

Luca Saba

Department of Medical Sciences and Public Health, University of Cagliari, Italy

Ivan Urits Southcoast Health, Southcoast Physicians Group Pain Medicine, MA, USA

Omar Y. Viswanath Valley Anesthesiology and Pain Consultants Phoenix, AZ, USA

FOR AUTHORS

SUBMIT YOUR PAPER

Guide for Authors

Benefits for Authors

How to write a scientific paper

How to write a Review article

Article Processing Charge

FOR REVIEWERS

Benefits for Reviewers

How to review

Thanks to Reviewers

INDEXING

PubMed

Scopus	
DOAJ	
CABI	
ESCI	

MOST READ LAST MONTH

Clinical decision-making of bachelor and clinical internship (professional) nursing students in Indonesia

④ 120

Technology and the future of healthcare

④110

Costs and mortality associated with HIV: a machine learning analysis of the French national health insurance database

④ 109

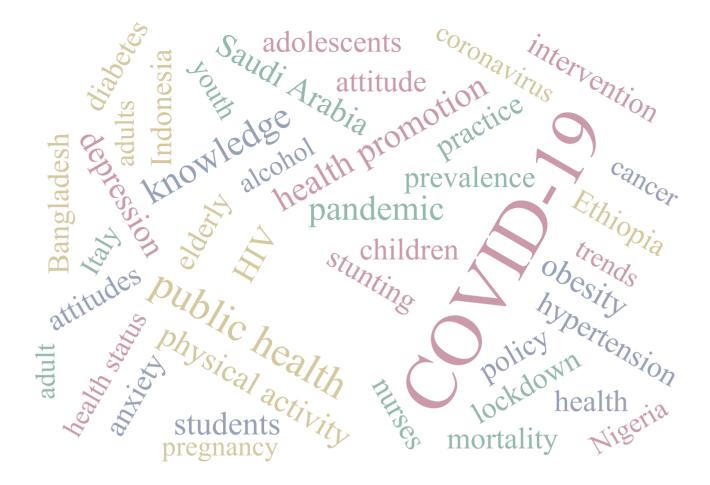
Mediterranean diet, lifestyle and quality of life in Sardinian patients affected with Hidradenitis suppurativa

996

The use of the health belief model to assess U.S. college students' perceptions of COVID-19 and adherence to preventive measures

@ 90

KEYWORDS



Journal of Public Health Research

is an Open Access, peer-reviewed journal published by PAGEPress®, Pavia, Italy. All credits and honors to PKP for their OJS. eISSN 2279-9036 © PAGEPress 2008-2021

PAGEPress[®] is a registered trademark property of PAGEPress srl, Italy •

VAT: IT02125780185 • Privacy

Search

HOME / ARCHIVES /

Vol 9 No 2 (2020): Papers from the 4th International Symposium of Public Health (4th ISOPH) |Brisbane, Australia - 29-31 October 2019



Dublished: 2020-07-03

ORIGINAL ARTICLES



PSYCHOMETRIC PROPERTIES OF SLEEP HYGIENE INDEX IN INDONESIAN ADOLESCENTS

Anggi Setyowati, Min-Huey Chung, Ah Yusuf, Setya Haksama

6

https://doi.org/10.4081/jphr.2020.1806

🖓 PDF 📑 HTML



FACTORS INFLUENCING PATIENT ATTENTION TOWARD AUDIOVISUAL-HEALTH EDUCATION MEDIA IN THE WAITING ROOM OF A PUBLIC HEALTH CENTER

Anas Tamsuri, Sri Widati



https://doi.org/10.4081/jphr.2020.1807





FACTORS AFFECTING EMERGENCY NURSES' PERCEPTIONS OF THE TRIAGE SYSTEMS

Ani Sutriningsih, Chatarina Umbul Wahyuni, Setya Haksama

0

https://doi.org/10.4081/jphr.2020.1808



DAFTAR ISI



OWNERSHIP OF MOTHER AND CHILDREN'S HEALTH BOOK AND COMPLETE BASIC IMMUNIZATION STATUS IN SLUMS AND POOR POPULATION Arief Hargono, Hario Megatsari, Kurnia Dwi Artanti, Triska Susila Nindya, Ratna Dwi Wulandari

6

https://doi.org/10.4081/jphr.2020.1809





ACUTE CORONARY SYNDROME AND PATIENT BEHAVIOR FACTORS IN OVERCOMING THE EVENT OF CHEST PAIN IN PRE HOSPITAL PHASE

Cipto Susilo, Mochammad Bagus Qomaruddin, Mellani Puji Fahrera

Ð





THE EFFECT OF RHODAMINE B ON THE CEREBELLUM AND BRAINSTEM TISSUE OF *RATTUS NORVEGICUS*

Dewi Ratna Sulistina, Santi Martini

dc)

https://doi.org/10.4081/jphr.2020.1812

PDF HTML



THE MATERNAL REFERRAL MOBILE APPLICATION SYSTEM FOR MINIMIZING THE RISK OF CHILDBIRTH

Diah Indriani, Nyoman Anita Damayanti, Danu Teguh, Muhammad Ardian, Hud Suhargono, Satriawansyah Urbaya, Ratna Dwi Wulandari, Triska Susila Nindya, Ernawaty, Nuzulul Kusuma Putri, Ilham Akhsanu Ridlo



https://doi.org/10.4081/jphr.2020.1813





NUTRITIONAL STATUS, FAMILY INCOME AND EARLY BREASTFEEDING INITIATION AS DETERMINANTS TO SUCCESSFUL EXCLUSIVE BREASTFEEDING

Dian Shofiya, Sri Sumarmi, Faruk Ahmed

dC)

https://doi.org/10.4081/jphr.2020.1814

🔁 PDF 📑 HTML



MOTHER'S KNOWLEDGE AND ATTITUDES TOWARDS VISUAL ACETATE ACID INSPECTION TEST IN SURABAYA Dini Mei Widayanti, Mochammad Bagus Qomaruddin, Dedi Irawandi

https://doi.org/10.4081/jphr.2020.1815





THE INCIDENCE OF STUNTING, THE FREQUENCY/DURATION OF DIARRHEA AND ACUTE RESPIRATORY INFECTION IN TODDLERS

Diyah Arini, Nursalam, Mahmudah, Ike Faradilah

Ð





APPLICATION OF THE HEALTH BELIEF MODEL ON THE INTENTION TO STOP SMOKING BEHAVIOR AMONG YOUNG ADULT WOMEN

Eko Teguh Pribadi, Shrimarti Rukmini Devy

40

https://doi.org/10.4081/jphr.2020.1817

🖻 PDF 📑 HTML



ANALYSIS OF HEALTH RISK AND RESPIRATORY COMPLAINTS ON FOOTWEAR CRAFTSMAN EXPOSED TO TOLUENE VAPOUR

Ellyza Setya Maryiantari, Soedjajadi Keman

6





FACTORS AFFECTING HARDINESS IN CANCER PATIENTS: A CASE STUDY OF THE INDONESIAN CANCER FOUNDATION

Erika Untari Dewi, Nursalam, Mahmudah, Aristina Halawa, Azhari Ayu

¢

https://doi.org/10.4081/jphr.2020.1819

PDF





BRAND EQUITY ANALYSIS TO INCREASE HEALTH CARE UTILIZATION

Ernawaty , Kendra Wardhani K, Stefanus Supriyanto, Nuzulul Kusuma Putri, Yeni Rahmah Husniyawati



https://doi.org/10.4081/jphr.2020.1821





EXCLUSIVE BREASTFEEDING VILLAGE PROGRAM INCREASED THE ROLE OF HEALTH CADRES

Fauziyatun Nisa, Nyoman Anita Damayanti, Fritria Dwi Anggraini



https://doi.org/10.4081/jphr.2020.1822





UNDERSTANDING PATIENT SATISFACTION AND LOYALTY IN PUBLIC AND PRIVATE PRIMARY HEALTH CARE Febri Endra Budi Setyawan, Stefanus Supriyanto, Ernawaty, Retno Lestari

https://doi.org/10.4081/jphr.2020.1823





PREGNANCY DISORDERS IN FEMALE WORKERS AT THE INDUSTRIAL AREA OF SIDOARJO, INDONESIA

Firman Suryadi Rahman, Tri Martiana



https://doi.org/10.4081/jphr.2020.1824



DETERMINANTS OF FAMILY INDEPENDENCE IN CARING FOR



HEBEPHRENIC SCHIZOPHRENIA PATIENTS

Herlin Ferliana, Nyoman Anita Damayanti, Diana Nurfarida Aisyah, Nuh Huda, Dwi Ernawati

60

https://doi.org/10.4081/jphr.2020.1828

PDF





RELATIONSHIP BETWEEN CARING NURSES AND ELDERLY LONELINESS

Hidayatus Sya'diyah, Nursalam, Mahmudah, Wahyu Putro Wicaksono

40





NARRATIVE STORIES OF HIGH RISK SEXUAL BEHAVIORS AMONG ADOLESCENTS IN MAKASSAR CITY

Indra Fajarwati Ibnu, Chatarina Umbul Wahyuni, Shrimarti Rukmini Devy

Ð

https://doi.org/10.4081/jphr.2020.1830





DEVELOPMENT OF SWEET POTATO (*IPOMOEA BATATAS* LAMK.) AS EXCIPIENT IN TABLET FORMULATION

Lamia Diang Mahalia, Stefanus Supriyanto, Yandi Syukri

0

https://doi.org/10.4081/jphr.2020.1831



HTML



HEALTH PROMOTING HOSPITAL: A PRACTICAL STRATEGY TO IMPROVE PATIENT LOYALTY IN PUBLIC SECTOR

Minarni Wartiningsih, Stefanus Supriyanto, Sri Widati, Ernawaty, Retno Lestari

•

https://doi.org/10.4081/jphr.2020.1832

PDF





DEPRESSION AND FUNCTIONAL DISABILITY IN STROKE PATIENTS

Puji Astuti, Kusnanto , Ferra Dwi Novitasari

0

https://doi.org/10.4081/jphr.2020.1835





THE SUPERIOR SERVICE BASED ON THE HIGHEST NUMBER OF VISITS AND INCOME OF HAJJ HOSPITAL SURABAYA IN THE NATIONAL HEALTH INSURANCE ERA

Rachmad Cahyadi, Stefanus Supriyanto, Ratna Dwi Wulandari

6

https://doi.org/10.4081/jphr.2020.1836







RECOVERY TIME PERIOD AND QUALITY OF LIFE AFTER HYSTERECTOMY

Raden Khairiyatul Afiyah, Chatarina Umbul Wahyuni, Budi Prasetyo, Didik Dwi Winarno

d:





THE IMPACT OF SOCIAL CAPITAL, DEMOGRAPHIC FACTORS, AND COPING STRATEGIES ON COMMUNITY ADAPTATION IN SUPPORTING PEOPLE WITH SEVERE MENTAL ILLNESS

Retno Lestari, Ah Yusuf, Rachmat Hargono, Ahsan, Febri Endra Budi Setyawan, Nyoman Anita Damayanti



https://doi.org/10.4081/jphr.2020.1838





REINFORCEMENT OF HUMAN RESOURCES IN IMPLEMENTING

HEALTHY INDONESIAN PROGRAM WITH FAMILY APPROACH

Retno Widiarini, Djazuly Chalidyanto, Eva Rusdianah



https://doi.org/10.4081/jphr.2020.1839

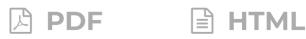




EFFECT OF AGE AND WEIGHT ON PHYSICAL ACTIVITY

Rivan Virlando Suryadinata, Bambang Wirjatmadi, Merryana Adriani, Amelia Lorensia

€





SCHOOL BAG WEIGHT AND THE OCCURRENCE OF BACK PAIN AMONG ELEMENTARY SCHOOL CHILDREN

Semuel Layuk, Tri Martiana, Bongakaraeng Bongakaraeng



https://doi.org/10.4081/jphr.2020.1841







MATERNAL COMPLICATIONS AND RISK FACTORS FOR MORTALITY

Sulis Diana, Chatarina Umbul Wahyuni, Budi Prasetyo

C





PEOPLE EQUITY MODEL AS AN EFFORT TO INCREASE EMPLOYEES' INTENTION TO STAY

Tatin Wahyanto, Stefanus Supriyanto, Nyoman Anita Damayanti, Sri Hartini, Retno Lestari

0

https://doi.org/10.4081/jphr.2020.1843

PDF





THE INFLUENCE OF MONITORING ACTIVITIES ON MATERNAL WEIGHT GAIN AMONG PREGNANT WOMEN

Tri Widodo, Sri Sumarmi

40

https://doi.org/10.4081/jphr.2020.1845





SALTWATER FISH CONSUMPTION PATTERN AND INCIDENCE OF HYPERTENSION IN ADULTS: A STUDY ON THE POPULATION OF GRESIK COAST, INDONESIA

Umdatus Soleha, Mochammad Bagus Qomaruddin

6

https://doi.org/10.4081/jphr.2020.1846







INSTRUMENTAL MUSIC THERAPY REDUCED DEPRESSION LEVELS IN STROKE PATIENTS

Vione Deisi Oktavina Sumakul, Hari Basuki Notobroto, Ni Luh Widani, M. Havidz Aima

۵





FAMILY SUPPORT AND ADAPTATION MECHANISMS OF ADULTS OUTPATIENTS WITH SCHIZOPHRENIA

Wiwik Widiyawati, Ah Yusuf, Shrimarti Rukmini Devy, Dini Mei Widayanti

C

https://doi.org/10.4081/jphr.2020.1848

PDF HTML



VIDEO-BASED HEALTH EDUCATION TO SUPPORT INSULIN THERAPY IN DIABETES MELLITUS PATIENTS

Dinda M.N. Ratri, Khusnul Fitri Hamidah, Arina D. Puspitasari, Muhammad Farid



https://doi.org/10.4081/jphr.2020.1849



SYSTEMATIC REVIEWS AND META-

ANALYSIS



HEALTH RISKS ASSOCIATED WITH HIGH WAIST CIRCUMFERENCE: A SYSTEMATIC REVIEW

Darsini, Hamidah, Hari Basuki Notobroto, Eko Agus Cahyono

•

https://doi.org/10.4081/jphr.2020.1811





HEALTH INSURANCE LITERACY: DISCUSSION AND REACTION OF FACEBOOK USERS' TOWARDS THE NATIONAL HEALTH INSURANCE IN INDONESIA

Tika Indiraswari, Stefanus Supriyanto, Ernawaty, Nuzulul Kusuma Putri

dC)

https://doi.org/10.4081/jphr.2020.1844



FOR AUTHORS

SUBMIT YOUR PAPER

Guide for Authors

Benefits for Authors

How to write a scientific paper

ARTICLE



Ownership of mother and children's health book and complete basic immunization status in slums and poor population

Arief Hargono,¹ Hario Megatsari,² Kurnia Dwi Artanti,¹ Triska Susila Nindya,³ Ratna Dwi Wulandari⁴

¹Department of Epidemiology, ²Department of Health Promotion and Behavior Sciences, ³Department of Nutrition, ⁴Department of Health Administration and Policy, Faculty of Public Health, Universitas Airlangga, Surabaya, Indonesia

Abstract

Background: The percentage of complete immunization in urban areas is higher than rural areas. The purpose of the study was to analyze the relationship between ownership of Maternal and Child Health (MCH) books with Complete Basic Immunization (CBI) coverage in slums and poor areas.

Design and Methods: A rapid survey was conducted in selected slums and poor groups based on medical records from Public Health Center. Informants were mothers with a sample of 325 infants aged 12 to 23 months.

Results: The lowest coverage of CBI for slum and poor residents is Pasuruan, which is 55.4%. The results of statistical analysis showed that there was a significant relationship between ownership of MCH books and the complete coverage of basic immunization in Malang (P = 0.000; PR = 3.682); Pasuruan (P = 0.002; PR = 1.854); Sidoarjo (P = 0.000; PR = 4.042); Surabaya (P = 0.000; PR = 2.425).

Conclusions: It is recommended that the government should improve access to complete immunization programs in slums and poor population.

Introduction

Immunization Program for vaccine preventable diseases in children is one of the most important contribution in reducing child mortality and increasing life expectancy. It is also known as the most effective and inexpensive primary prevention against infectious diseases.¹ Indonesia is one of the priority countries identified by WHO and UNICEF to implement acceleration in achieving the 100% UCI target for villages.² According to WHO data, the incidence of illness, disability, and death due to vaccine preventable diseases is estimated at 2 to 3 million deaths annually.³ National complete immunization coverage rates from

2013 to 2014 in rural and urban areas have the same coverage rate of around 60%.⁴ This number has declined by more than 20% since 2015.⁵ Data from the 2016 National Socio-Economic Survey shows that the percentage of complete immunization in urban areas is higher (69.06%) than in rural areas (63.70%). The percentage of complete immunization coverage in 2017 has decreased both in urban areas (51.90%) and in rural areas (48.49%).⁶ This shows that access to complete basic immunization tends to be influenced by the level of economic status.

World Bank data (2013) on immunization rates for children show striking differences across urban quintiles. Children who get vaccinated against polio, measles, BCG and DPT, account for 60% of complete vaccinations in the poorest urban society quintiles, compared with 74% in the richest groups.⁷ Increased morbidity and mortality have been observed in measles, diphtheria, influenza and typhoid in slums in South Africa, India.^{8,9} Bangladesh,^{10,11} and Kenya.¹² Low immunization coverage for vaccine preventable diseases contributes to poor health outcomes in poor urban populations especially in slums area. The low immunization coverage makes slum and poor people one of the high-risk groups that have the potential to become a high risk for outbreaks.

Knowledge and ownership of the Maternal and Child Health (MCH) Book is a strategic factor to improve the immunization program. The MCH book is also a source of information about the program and immunization status for the community. Basic Health Research 2018 data shows that 60% of targets have and can show MCH books, 30% do not have MCH books, and 10% cannot show whether they have MCH books.¹³ This study aims to analyze the relationship of MCH ownership with basic immunization completeness status in the slums and poor area. The study was conducted in the cities of Surabaya, Malang, Pasuruan, and Sidoarjo in the Province of East Java, Indonesia. This city is an industrial area with a high level of urbanization and the presence of slums and poor area.

Significance for public health

Low immunization coverage makes people living in a slum unhealthy and at high risk of developing infectious diseases. Maternal and Child Health (MCH) Book is a source of information about the program and immunization status of the community. This study analyzes the relationship of MCH ownership with basic immunization completeness status in the slums and poor area. Supporting and increasing access to immunization programs is expected to increase immunization coverage in the slums and poor groups.



Design and Methods

A rapid survey was conducted in selected slums and poor groups based on medical records from Public Health Center. Informants were mothers with a sample of 325 infants aged 12 to 23 months. Research sites in selected sub-districts and villages in the cities of Surabaya, Malang, Sidoarjo and Pasuruan located in East Java Province. Rapid Card Check was used to identify the history of immunization. Data were analyzed by using Chi-Square test and Prevalence Ratio (PR).

Results and Discussions

Statistical analysis showed that there was a significant relationship between the ownership of the MCH book and the complete basic immunization in Malang (P = 0.000; PR = 3.682); Pasuruan City (P = 0.002; PR = 1.854); Sidoarjo City (P = 0.000; PR = 4.042); and Surabaya (P = 0.000; PR = 2.425) (Table 1). The ownership of the MCH book has an impact on the completeness of the immunization status.

The results of the study show that the ownership of the MCH book is significantly related to basic immunization coverage. Significant gaps exist in immunization coverage in poor groups in urban areas,¹⁴ for example in Nigeria, Ethiopia, Cameroon and Pakistan.¹⁵ World Bank data (2013) shows that in Indonesia there is a correlation between low level of education and economic status, and low the coverage of each type of immunization.⁷ The urban poor also have a lower education than the non-poor, with one third having less than education primary education.

Low immunization coverage was also found in new arrivals from villages.^{16,17} Slums are often the first entry point for new arrivals from villages to urban areas.¹⁸ This migration process impacts the difficulties in accessing health services which leads to low immunization coverage.^{19,20} Most children who come from families with low socio-economic backgrounds, suffer from poverty, live in slums and receive inadequate parental education have also low immunization coverage.²¹ There is evidenced that in urban areas the availability of services supported by easy access results in people becoming healthier than in rural areas.²² Lack of knowledge about immunization makes mothers reluctant to immunize their children because of financial difficulties.²³

Randomize control trials conducted in Pakistan through the

provision of educational sessions by medical students to mothers in slum dwellers indicate an increase in complete immunization in the intervention group. This indicates the need to increase knowledge about immunization²⁴ to increase parents' awareness of the importance to give immunizations to their children.^{25,26} Providing incentives to mothers has also been shown to be successful in increasing immunization coverage in Brazil and Pakistan.^{24,25}

Access to basic health services for the poor in urban areas is lower compared to non-poor urban areas. Urban infrastructure is also generally unable to keep pace with rapid urbanization, especially in the informal settlements where poor people live.⁷ This has led to vaccine programs designed for the general population that may not be effective in urban slums and are characterized by the large number of newcomers who do not have a resident status there. This condition limits access to basic health services, in addition to the poor quality of sanitation in their homes.^{18,26} Children who live close to health facilities will find it easier to get complete basic immunization.²⁷ This makes it necessary to support and increase access to immunization programs in the slums and poor groups.

The ownership of MCH books supports the promotion of health and preventive programs for public health, including immunization. Previous studies have shown that the absence of MCH book is a contributing factor for not vaccinating. A quarter of children who get vaccinated cannot be properly tracked due to the absence of the immunization book.^{28,29} The MCH book has an important role for recording and reporting the immunization program. The MCH book is used to reduce the immunization status constraints caused by the mother forgetting whether her child has been immunized or not, how many times she has been immunized herself, and the exact type of immunizations. This unless the notes in the MCH are not filled, or the MCH book record is lost or misplaced. The MCH Handbook may be provided by any party including private organizations concerned with maternal and child health.³⁰

Conclusions

Poor and slum dwellers in urban areas that do not have a MCH book are significantly related to the low coverage of basic immunization. Supporting and increasing access to immunization programs and increasing knowledge are expected to increase immunization coverage in the slums and poor groups.

Ownership of MCH Book	Complete Basic Immunization No Yes			Total		Р	PR	
	Σ	%	Σ	%	Σ	%		
Malang No Yes	18 53	94.7 25.7	1 153	5.3 74. 3	19 206	100.0 100.0	0.000	3.682 (2.853-6.752)
Pasuruan No Yes	19 45	82.6 44.6	4 56	17.4 55.4	23 101	100.0 100.0	0.002	1.854 (1.391-2.471)
Sidoarjo No Yes	37 33	97.4 24.1	1 104	2.6 75.9	38 137	100.0 100.0	0.000	4.042 (2.989-5.466)
Surabaya No Yes	34 120	100.0 41.2	0 171	0.0 58.8	34 291	100.0 100.0	0.000	2.425 (2.114-2.781)

Table 1. Relationship of MCH Book Ownership with Complete Basic Immunization.



Correspondence: Arief Hargono, Department of Epidemiology, Faculty of Public Health, Universitas Airlangga, Jl. Mulyorejo, Surabaya, Jawa Timur 60115, Indonesia. Tel.: +62315920948 - Fax: +62315924618. E-mail: arief.hargono@fkm.unair.ac.id

Key words: Mother and children's health book; basic immunization; slums and poor population.

Contributions: The authors contributed equally.

Conflict of interest: The authors declare no potential conflict of interests.

Funding: This study was supported by Faculty of Public Health, Universitas Airlangga.

Clinical trials: This study does not involve any clinical trials.

Conference presentation: Part of this paper was presented at the 4th International Symposium of Public Health, 2019 October 29-31, Griffith University, Gold Coast, Australia.

Received for publication: 6 March 2020. Accepted for publication: 13 June 2020.

©Copyright: the Author(s), 2020 Licensee PAGEPress, Italy Journal of Public Health Research 2020;9:1809 doi:10.4081/jphr.2020.1809 This work is licensed under a Creative Commons Attribution NonCommercial 4.0 License (CC BY-NC 4.0).

References

- Ranuh I, Suyitno H, Hadinegoro, et al. Immunization Primary Prevention Efforts. In: Immunization Guidelines in Indonesia. 3rd ed. Jakarta: Immunization-IDAI Task Force; 2008.
- 2. World Health Organization. Weekly Epidemiological Report. Geneva: WHO; 2011.
- 3. Ministry of Health Republic of Indonesia. Infodatin Immunization. Jakarta: Ministry of Health Republic of Indonesia; 2014.
- Ministry of Health Republic of Indonesia. Basic Health Resources 2013. Jakarta: Ministry of Health Republic of Indonesia; 2013.
- Central Statistics Agency. National Socio-Economic Survey (Susenas) 2016. Jakarta: Health Research and Development Agency; 2016.
- 6. Central Statistics Agency. Expenditures for Indonesian Population Consumption 2016 Based on March 2016 Susenas Results Jakarta: BPS; 2016.
- 7. World Bank. Indonesia: Urban Poverty and Program Review. Jakarta: World Bank; 2013.
- Saha I, Haldar D, Paul B, et al. An epidemiological investigation of mumps outbreak in a slum of Kolkata. J Commun Dis 2012;44:29–36.
- Sur D, Von SL, Manna B, et al. The malaria and typhoid fever burden in the slums of Kolkata, India: Data from a prospective community-based study. Trop Med Hyg 2006;100:725–33.
- 10. Rahman S, Ahmed M, Islam M, et al. Effects of risk factors on the prevalence of influenza infections among children of slums of Dhaka city. Springerplus 2016;5:602.
- 11. Brooks W, Hossain A, Goswami D, et al. Bacteremic typhoid

fever in children in an urban slum in Bangladesh. Emerg Infect Dis 2005;11:326-9.

- 12. Breiman R, Cosmas L, Njuguna H, et al. Population-based incidence of typhoid fever in urban informal settlement and rural areas in Kenya: Implications for typhoid vaccine use in Africa. PLoS One 2012;7:e29119.
- Ministry of Health Republic of Indonesia. Basic Health Resources 2018. Jakarta: Ministry of Health Republic of Indonesia; 2018.
- 14. Crocker-buque T, Mindra G, Duncan R, et al. Immunization, urbanization and slums-a systematic review of factors and interventions. BMC Public Health 2017;17:1–16.
- Hinman AR, McKinlay MA. Immunization Equity. Am J Prev Med 2015;49:S399-405.
- 16. Sharma V, Singh A, Sharma V. Provider's and user's perspective on immunization coverage among migratory and nonmigratory populations in slums and construction sites of Chandigarh. J Urban Heal 2015;92:304-12.
- 17. Fatiregun A, Adebowale A, Ayoka R, et al. Assessing full immunization coverage using quality assurance sampling in urban and rural districts of southwest Nigeria. Trans R Soc Trop Med Hyg 2013;107:731–40.
- Roy D, Lees M, Palavalli B, et al. The emergence of slums: A contemporary view on simulation models. Env Softw Model 2014;59:76–90.
- Kusuma Y, Kumari R, Pandav C, et al. Migration and immunization: Determinants of childhood immunization up to socioeconomically disadvantaged migrants in Delhi, India. Trop Med Int Heal 2010;15:1326–32.
- Antai D. Migration and child immunization in Nigeria: Individual- and community-level contexts. BMC Public Health 2010;10:116.
- 21. Behera MR. Strategies to Improve Immunization Coverage In Rural Orissa, India. UK: University of Leeds; 2011.
- 22. Douthit N, Kiv S, Dwolatzky T, et al. Exposing some important barriers to health care access in the rural USA. Public Health 2015;129:611–620.
- Prakash R, Kumar A. Urban poverty and utilization of maternal and child health care services in India. J Biosoc Sci 2013;45:433–49.
- 24. Anjum Q, Omair A, Inam S, et al. Improving vaccination status of children under five through health education. J Pak Med Assoc 2004;54:610-3.
- 25. Notoatmodjo S. Health Promotion. Jakarta: Rineka Cipta; 2010.
- 26. Asmamaw A, Getachew T, Gelibo T, et al. Determinants of Full Valid Vaccine Dose Administration Among 12-32 Months Children in Ethiopia: Evidence from the Ethiopian 2012 National Immunization Coverage Survey. Ethiop J J Heal Dev 2016;30:135-41.
- 27. Shei A, Costa F, Reis M, et al. The impact of Brazil's Bolsa Fmilia conditional cash transfer program on children's health care utilization and health outcomes. BMC Int Heal Hum Rights 2014;14:10.
- Chandir S, Khan A, Hussain H, et al. Effects of food coupon incentives on timely completion of DTP immunization series in children from a low-income area in Karachi, Pakistan: A longitudinal intervention study. Vaccine 2010;28:3473–8.
- 29. UN Habitat. The Challenge of Slums: Global Report on Human Settlements 2003. New York: Pub. United Nations; 2003.
- 30. Ministry of Health Republic of Indonesia. Technical Guidelines for the Use of Maternal and Child Health Books: Ministry of Health and JICA. Jakarta: Ministry of Health Republic of Indonesia; 2015.



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI UNIVERSITAS AIRLANGGA

FAKULTAS KESEHATAN MASYARAKAT

Kampus C Jl. Dr. Ir. H. Soekarno, Mulyorejo, Surabaya 60115 Telp. (031) 5920948 Fax (031) 5924618 Laman : https://fkm.unair.ac.id, e-mail : info@fkm.unair.ac.id

SURAT KETERANGAN Nomor : 2679/UN3.1.10/KP/2023

Yang bertanda tangan di	bawah ini :
Nama	: Dr. Santi Martini, dr., M.Kes
NIP	: 196609271997022001
Pangkat / Golongan	: Pembina/Gol. IV/a
Jabatan	: Dekan

Dengan ini menerangkan b	ahwa
Nama	: Hario Megatsari, SKM., M.Kes.
NIP	: 198209122008011006
Pangkat / Golongan	: Penata (III/c) / TMT 01-04-2012
Jabatan	: Lektor

Telah melaksanakan penelitian dengan judul sebagai berikut :

No.	Judul Karya Ilmiah	Tahun pelasanaan Penelitian
1	Ownership of mother and children's health book and complete basic immunization status in slums and poor population	2020

Adapun penelitian tersebut layak dilakukan, meskipun belum ada *Uji Etical Clearence* karena menggunakan data sekunder (Kartu KIA) sebagai subyek penelitian dan menghasilkan output yang sangat baik.

Demikian surat keterangan ini kami buat untuk dapat dipergunakan sebagai persyaratan pengusulan Jabatan Fungsional Lektor Kepala.

