

INTERNATIONAL HEALTH SERVICES CONGRESS

November 21-22, 2023 / Toros University, Mersin, Türkiye



EDITOR
Asst. Prof. Efdal OKTAY GÜLTEKİN

ISBN: 978-1-955094-66-5

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06.12.2023

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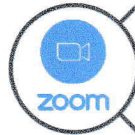
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Joanna CIEPLIŃSKA Anna KOPICZKO	<i>University of Social Sciences Józef Piłsudski University</i>	BONE MINERAL DENSITY AND BONE MINERAL CONTENT AT THE DISTAL AND PROXIMAL FOREARM IN GIRLS WITH MYELOMENINGOCELE
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Yekinni, L. O. Kareem, K. K. Abdulrahmon, M. O. Bakare, A. O.	<i>Federal College of Education</i>	EFFECTIVENESS OF MODELLING ON THE VERBAL AND ARITHMETIC SKILLS OF CHILDREN WITH INTELLECTUAL DISABILITY IN AKURE SOUTH LOCAL GOVERNMENT OF ONDO STATE, NIGERIA
İnke MALAHAYATI	---	HEALTH TRANSFORMATION FOR GREAT INDONESIA
Jibrin, S., Usman N. S. Abubakar M. B. Kolawole-Jimoh, N. T. Manta, I. B. Innocent, A	<i>Niger State College</i>	FACTORS INFLUENCING SELF-MEDICATION AMONG RURAL FARMERS IN FEDERAL CAPITAL TERRITORY (FCT) ABUJA

Kubra ŞEVGİN Sude TOPKARAOĞLU Sibel KURAŞ Halime Hanım PENCE Tansel SAPMAZ	EFFECT OF CURCUMIN AND GALLIC ACID ON HISTOMORPHOLOGY OF LUNG TISSUE INDUCED BY OVARIAN TORSION AND DETORSION: A STUDY OF TNF-ALPHA AND FIBROSIS	110-111
Chahira RETEM Smili CHAIMA Chebbah FELLA Djouini AMINA Bairi Abdel MADJID	EFFECT OF PREGABALIN ON BEHAVIOR AND COGNITIVE SKILLS IN PATIENTS REFERRED TO THE CISA-BOUKHADRA-ANNABA INTERMEDIATE ADDICTOLOGY CARE CENTER	112
Surayya BABIROVA	HOW TO ADMINISTER FIRST AID DURING EMERGENCIES	113
Monika LOPUSZANSKA-DAWID Miroslav KOPECKY	DETERMINANTS OF THE AGING INTENSITY OF POLISH MEN	114
Paulina KŁOPOTOWSKA Monika LOPUSZANSKA-DAWID	HEALTH BEHAVIOURS AND MENTAL HEALTH AMONG ELDERLY - CURRENT STATE OF KNOWLEDGE	115
Joanna CIEPLIŃSKA Anna KOPICZKO	BONE MINERAL DENSITY AND BONE MINERAL CONTENT AT THE DISTAL AND PROXIMAL FOREARM IN GIRLS WITH MYELOMENINGOCELE	116
Ajagbe, S. W. Yekinni, L. O. Babatunde, S. I. Bakare, M. T.	ATTITUDE, MOTIVATION AND ACADEMIC PERFORMANCE OF HIGH ACHIEVING JUNIOR SECONDARY SCHOOL STUDENTS IN SOCIAL STUDIES IN OYO EAST LOCAL GOVERNMENT, NIGERIA	117-125
Yekinni, L. O. Kareem, K. K. Abdulrahmon, M. O. Bakare, A. O.	EFFECTIVENESS OF MODELLING ON THE VERBAL AND ARITHMETIC SKILLS OF CHILDREN WITH INTELLECTUAL DISABILITY IN AKURE SOUTH LOCAL GOVERNMENT OF ONDO STATE, NIGERIA	126-131
İnke MALAHAYATI	HEALTH TRANSFORMATION FOR GREAT INDONESIA	132-136
Jibrin, S., Usman N. S. Abubakar M. B. Kolawole-Jimoh, N. T. Manta, I. B. Innocent, A	FACTORS INFLUENCING SELF-MEDICATION AMONG RURAL FARMERS IN FEDERAL CAPITAL TERRITORY (FCT) ABUJA	137-146
S.A. DOSUNMU John Adekunle ADESOPE Suwebat Opemilopin DANIJU-JEGEDE	IMPACT OF DOMESTIC VIOLENCE ON STUDENTS' SCHOOL INTERACTION	147
Naseem AKHTER	SUSTAINABLE DEVELOPMENT, GOALS AND ROLE OF YOUTH IN PAKISTAN (A REVIEW)	148

HEALTH TRANSFORMATION FOR GREAT INDONESIA

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ABSTRACT

Indonesia has undergone significant economic growth and urbanization in recent decades, leading to numerous healthcare challenges. The country has transitioned from being predominantly affected by infectious diseases to struggling with non-communicable diseases that are increasingly burdensome. The COVID-19 pandemic has had a severe impact on health systems globally, including in Indonesia. As a result, the government has taken steps to transform the healthcare system to make it stronger, more resilient, and independent in the face of future health threats. Access, quality, and affordability of healthcare services have become central issues in the national discourse. Investing in health transformation is crucial for Indonesia's progress and development.

Keyword: health transformation, great Indonesia

INTRODUCTION

Improving community welfare is one of the main goals of development, and one way to achieve it is by improving public health. Health is a crucial aspect of a developing nation, as it not only leads to a better quality of life for its citizens but also contributes to economic development and social progress. Indonesia aims to become a sovereign, advanced, and sustainable archipelago by 2045 through its vision of Golden Indonesia 2045. The country's long-term goal is to be an independent, united, sovereign, just, and prosperous nation (Kementerian PPN Bappenas 2023a). To achieve this, the president has set a vision for 2020-2024, which is the realization of an advanced Indonesia that is sovereign, independent, and has a personality, based on cooperation. The Ministry of Health has outlined the president's vision for the health sector, which includes creating healthy, productive, independent, and just citizens (Kemenkes RI 2020). However, the COVID-19 pandemic has disrupted health systems and caused immense damage. To deal with this situation, the Indonesian government is preparing a health transformation to improve the health system's resilience and independence in facing future health threats (Kemenkes RI 2023c). This transformation aims to provide quality and affordable health services to Indonesian citizens. The aim of this article is to elucidate the Indonesia's health transformation and its achievements.

METHODS

The research method used a Literature Review. Literature review studies involve collecting data or sources related to a specific topic from various sources such as journals, books, the internet, and other libraries.

FINDINGS and DISCUSSION

Health transformation

In line with the vision of Golden Indonesia 2045: A sovereign, advanced, and sustainable archipelago, Indonesia is changing its development approach from reformation to transformation. The transformations that support this vision are social, economic, and governance transformations. Social transformation ensures that humans are the goal of development and can become superior Indonesian humans.

Healthy Indonesia is one of the social transformation targets for Golden Indonesia 2045 by building a strong and responsive health system and ensuring the population lives a long and healthy life with a target of stunting below 5% and ending tuberculosis and leprosy. The direction of this national development goal is Health for All (Kementerian PPN Bappenas 2023b). Health development policies are directed at increasing health efforts and strengthening the health system.

Policies to improve health efforts emphasize (Kementerian PPN Bappenas 2023b):

1. Increasing public health efforts, expanding promotive and preventive efforts, including early detection, vaccination, notably complete routine immunization, massive case finding and treatment, increasing health literacy, and cultivating healthy living behavior, environmental health supported by city planning, the environment, and facilities and infrastructure includes transportation connectivity, open space, physical activation, and sports facilities, access to drinking water, and safe sanitation and healthy housing.
2. Control of production, consumption, and distribution of products that have a negative impact.
3. Overcoming nutritional problems through increasing diverse food consumption patterns, enriching nutrients, and ensuring nutrition in the first 1000 days of life period
4. Strengthening maternal, child, and elderly health services, mental health, occupational health, traditional health, controlling non communicable disease (NCDs), and eliminating infectious diseases, especially tuberculosis, and neglected tropical diseases, especially leprosy
5. Development of comprehensive family planning policies to achieve balanced population growth.

Furthermore, the Ministry of Health has prepared a National Strategy for Health Development to provide direction for implementing this vision (Kemenkes RI 2020):

1. Improving maternal, child, and reproductive health
2. Accelerating improvements in community nutrition to prevent and overcome multiple nutritional problems
3. Improved disease control
4. Cultivating healthy living behavior through the Healthy Living Community Movement, and
5. Strengthening the Health System and controlling drugs and food

The Ministry of Health of the Republic of Indonesia is committed to realizing this vision through health transformation. There are six (6) main pillars of health transformation by the Ministry of Health's national strategy, namely:

First pillar: transformation of primary services (Kemenkes RI 2023c)

This transformation was planned to improve promotive and preventive services, such as strengthening prevention efforts, early detection, health promotion, building infrastructure, completing infrastructure, human resources, and strengthening management in all primary services in Indonesia.

Included in this primary care transformation are:

1. Population education: 7 vital campaigns, namely immunization, balanced nutrition, exercise, anti-smoking, environmental sanitation and cleanliness, disease screening, medication compliance
2. Primary prevention: increasing routine immunization to 14 antigens and expanding coverage throughout Indonesia.

3. Secondary prevention: screening for the 14 diseases that cause the highest deaths at each target age, screening for stunting, and increasing ANC for maternal and infant health.
4. Increasing the capacity and capability of primary services: building public health centers in 171 sub-districts, providing 40 essential medicines, and fulfilling primary health human resources.

The Indonesian Ministry of Health is taking steps to revive promotive and preventive programs in primary care. This initiative aims to enhance public health by meeting the goals of health system transformation in the first pillar. Primary Health Care Integration focuses on three key areas. Firstly, it highlights the application of the life cycle as the primary focus of health service integration. Secondly, it aims to bring health services closer to the village and hamlet level, including promoting disease detection and screening. Lastly, it emphasizes strengthening regional monitoring through digitalization and monitoring via rural health situation dashboards. The strengthening of this structure is achieved by reinforcing public health centers, public health centers auxiliary, and integrated service posts, as well as strengthening networks with school health and occupational health. By concentrating on these three factors, primary health care services will be more accessible to the community, provide more comprehensive coverage with strong collaborative coordination from various stakeholders, and be sustainable in the long run (Kemenkes RI 2023b).

Second pillar: transformation of referral services (Kemenkes RI 2023c)

Transformation of referral services is achieved by increasing access and quality of secondary and tertiary services. It is done by:

1. Development of a superior service network will focus on nine (9) catastrophic diseases (diseases with a high number of cases and deaths), namely stroke, heart disease, cancer, diabetes, kidney, liver, maternal and child health, tuberculosis, and infections
2. The program to increase access to hospital services, is carried out by building primary hospitals in disadvantaged areas, borders and outermost islands, and targets improving the availability of essential medicines in hospitals to treat nine (9) priority diseases.
3. Quality improvement through collaboration with global institutions and implementation of the Academic Health System.
 - Partnership with the world's top healthcare centers & universities
 - Implementation of the Academic Health System for the implementation of health worker education and medical research

Third pillar: Transforming the health resilience system (Kemenkes RI 2023c)

There are two (2) main activities in the transformation of the health resilience system, namely:

1. Increase the resilience of the pharmaceutical and medical devices sector
The pharmaceutical independence strategy is carried out by:
 - a. Vaccines: Production of 6 of 14 types of program vaccine antigens and mastery of viral-vector and nucleic acid-based technology.
 - b. Medicine: Production of six (6) of the ten (10) largest consumer medicine raw materials and production of biotechnology plasma derivatives
 - c. Medical devices: increased domestic spending for 16 of the 19 largest medical devices by value and domestic production volume
2. Strengthen emergency response resilience
Indonesia needs to strengthen its ability to detect and respond to health crises in the future through prevention, detection, and response.

- a. Prevent health disaster preparedness, including tightening supervision at country entry points and quarantine, updating contingency plans, strengthening the one health network, fulfilling human resources, facilities, infrastructure, and emergency logistics, and testing health disaster preparedness in 34 provinces.
- b. Detect: strengthening surveillance, including evaluation and reassessment of surveillance laboratory capacity, design of a health lab referral system, standardization of laboratory quality, increasing human resource capacity, international internship program, and implementation of a digital reporting system
- c. Respond: health emergency system, including evaluation of the availability and analysis of the need for health reserve personnel, recruitment and training of reserve personnel (34 provinces), and registered and trained emergency teams.

Fourth pillar: Transformation of the health financing system (Kemenkes RI 2023c)

This transformation was carried out by rearranging the financing and benefits of National Health Insurance, as well as increasing the proportion of financing for promotive and preventive services through the addition of basic screening services for all Indonesian people.

Fifth pillar: Transformation of health human resources (Kemenkes RI 2023c)

The transformation of health human resources is carried out by increasing the quantity, distribution, and quality of health workers, through scholarships, empowering the health diaspora, and exchanging health professionals with international partners.

Sixth pillar: Transformation of health technology (Kemenkes RI 2023c)

This effort is carried out through the development and use of technology, digitalization, and biotechnology in the health sector.

Achievements

The Health Transformation Achievements report outlines the progress made in primary service transformation, referral services, health resilience system transformation, financing system transformation, health human resources transformation, and health technology transformation in Indonesia. As of 2023, primary service transformation has seen over 2.23 million young women receiving blood-boosting tablets, 75,654 pregnant women with chronic energy deficiencies being treated, and more than 1.01 million stunted children addressed. The national stunting rate has decreased to 21.06 percent in 2022 from the previous year's 24.4 percent (Wisnubroto 2023).

Referral service transformation has resulted in equal access to priority services for heart disease, stroke, cancer, and kidney patients, including the construction of 15 primary hospitals in remote areas. Moreover, 16 vertical hospitals have collaborated with international institutions, and the Ministry of Health has built four new vertical hospitals in Surabaya, Kupang, Makassar, and Jayapura (Wisnubroto 2023).

The health resilience system transformation aims to encourage innovation in domestically made medical devices and pharmaceuticals and guarantee domestic products through the procurement of goods and services. Eight out of ten medicinal raw materials have been produced domestically, and 38 national pharmaceutical industries have been facilitated to replace the source of five medicinal raw materials from within the country. The number of domestic producers capable of producing their vaccines has increased from one to three. Indonesia has been able to produce four types of vaccines, namely virus, mRNA, recombinant protein, and viral vector (Kemenkes RI 2023a)

Financing system transformation has increased operational costs for health services, incentives for health workers, and expanded service coverage for the community in the National Health Insurance Program. This is regulated through Minister of Health Regulation number 3 of 2023 concerning Health Service Tariff Standards in the Implementation of Health Insurance Programs (Wisnubroto 2023).

Health human resources transformation has resulted in 91 percent of community health centers being equipped with at least one doctor, 61.5 percent of regional hospitals being equipped with seven types of specialist doctors, and 236,075 registration certificates for medical and health personnel being issued (Wisnubroto 2023).

The health technology transformation has seen the launch of SatuSehat, which has been installed by more than 104 million users. Currently, 11,864 health service facilities are ready to be integrated with the SatuSehat application. The Biomedical and Genome Science Initiative (BGSi) was launched in 2022 as a technology capable of detecting and predicting diseases more precisely. This program relies on technology to collect genetic information (genome) from humans and pathogens such as viruses and bacteria. The WGS method has been used and played an important role in overcoming COVID-19 in Indonesia. Currently, BGSi is implemented in seven vertical hospitals (Wisnubroto 2023).

CONCLUSION and RECOMMENDATIONS

Health transformation is a crucial element in realizing a Healthy Indonesia. The Indonesian nation is better prepared to face rapid change through health transformation. We hope the current achievements in health transformation will become a stepping stone for Indonesia to make other substantial leaps in the health sector toward a healthy and advanced Indonesia in 2045.

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