

# CURRICULUM VITAE

## Tiara Marthias, MD, MPH

### Personal Details

Gender: Female	Date of Birth: 2 April 1984
Nationality: Indonesia	Country of Birth: Indonesia

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### Areas of Expertise

Public Health	General Practitioner
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### Education

2016 – now (expected completion: mid 2020)	PhD Candidate (The Nossal Institute for Global Health) The University of Melbourne, Australia Dissertation topic: Addressing Geographical Inequality in Maternal Health Care Utilization in Indonesia
2009 – 2011	Master of Public Health The University of Melbourne, Australia Thesis topic: Decomposing socioeconomic inequality in maternal health care utilization in Indonesia
2002 – 2008	Medical Doctor Gadjah Mada University, Indonesia

### Positions & Employments

Faculty member at the Department of Public Health, Faculty of Medicine, Universitas Gadjah Mada, Indonesia (2016 – now)

Tutor for the Doctor of Medicine program, Faculty of Medicine, Dentistry and Health Sciences, The University of Melbourne (2018-now)

Research Fellow at the Center for Health Policy and Management, Faculty of Medicine, Universitas Gadjah Mada, Indonesia (2011 – 2016)

Research Assistant at the Nossal Institute for Global Health, The University of Melbourne (August 2016 – now)

Head of Public Health Division at the Center for Health Policy and Management, Faculty of Medicine, Universitas Gadjah Mada, Indonesia (March 2012 – April 2016)

Research Assistant for Health Policy and Health Service Management, at the Public Health Department, Faculty of Medicine, Gadjah Mada University (2005 - 2008)

General Practitioner at “Gamedika 10” Private Hospital, Yogyakarta (2008 – 2009) (December 2011-2013)

### Selected Research & Consultation Projects

2018:

- Evaluation of the Indonesian National Health Insurance (JKN) for 2018 using realist evaluation approach (Consultant, topic area: social justice)  
Project Description:
  - This is the first evaluation of the JKN program using the realist approach and in collaboration with 11 universities across Indonesia. The project aims to evaluate the extent of JKN success based on key performance indicators including social justice across the population and regions. The study applies both quantitative analysis to explore the effect of the JKN program in supporting the growth of supply-side readiness for health, quality of care and financial protection for JKN beneficiaries as well as qualitative approach to explore the context, mechanisms and outcome that may vary across Indonesian regions. The output of the study will be used for policy advocacy to strengthen current and future policies for JKN.

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- Assessing Geographical Inequality in Maternal Health Care Utilization in Indonesia (PhD research project)  
Project Description:
    - This study decomposes regional gaps in the use of skilled-birth attendant in Indonesia using a rich combination of national household survey and administrative data encompassing both demand and supply side factors. Results indicate that inequalities are only partly driven by socioeconomic and rural-urban differences across regions. Larger contributions derive from health supply side variables including the ratio of health human resources and hospital beds to the population. Substantial unexplained gaps remain from differences in the returns to observable factors as well as unobserved factors across regions.
  - Impact of the Indonesian National Health Insurance Program on Health Care Utilization and Key Maternal Health Care Intervention: A Longitudinal Study (PhD research project)  
Project Description:
    - This study aims to identify the impact of health insurance towards the geographical inequality in maternal health care service utilization using national-level panel data and taking into account health systems readiness across regions in Indonesia. The study applies before-and-after comparisons and difference-in-differences methods to assess whether insurance coverage improves individuals' and the overall population's access to maternal health care services.
  - Monitoring Timely Access to Quality Care for Childbirth in Nepal (Research Assistant: Data Analyst at the Nossal Institute for Global Health)  
Project Description:
    - This research aims to fill a critical gap in maternal health programs by testing and validating a potential measure of timeliness in accessing care during childbirth, that can be used as a marker of health system performance in preventing maternal and newborn mortality and morbidity. The research is taking place in Nepal, where timely access is an acknowledged barrier to maternal health care services. Quantitative analysis will be used to assess the correlation between CDOA (Cervical Dilatation on Arrival) and maternal and newborn health outcomes. Further, analyses on types of delays will be conducted using the Thaddeus & Maine Three Delays Model.

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2017-ongoing:

- UNICEF District Health System Strengthening Training Module for Maternal & Child Health (module chapter developer, with the Nossal Institute for Global Health)  
Project Description:
  - Development and roll out of a Health Systems Strengthening (HSS) blended-training program for UNICEF country offices from all continents. The HSS program aims to build capacity in institutionalizing health systems approach in UNICEF country programs; positioning UNICEF as a strategic partner in supporting governments' efforts to improve health systems, particularly for the benefit of disadvantaged children and women and; meaningfully interact with other partners and governments in the design and implementation of HSS interventions that are evidence-based, sustainable and aligned with UNICEF's mandate on children. Up to September 2018, 170 UNICEF staffs from over 50 UNICEF country offices have been trained.

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2015-2016:

- Assessing Public Expenditure and Service Delivery for Universal Health Coverage at the Primary Health Care in Indonesia (Team Coordinator, Survey, funding: World Bank Indonesia)  
Project Description:
    - Coordinate and design the survey instruments for the first robust national-level survey on health facilities and human resource at public and private providers aiming to assess the availability, quality and financing of service provision in Indonesia including for MNCH, HIV/AIDS, malaria and NCDs. 64 high-priority districts for maternal and child health were included, surveying more than 3,000 facilities and health care workers as well as 800 exit interview survey of patients.
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- Implementation Research on Indonesia UHC Program (Co-PI, funding: Health Financing & Governance Program, USAID)

Project Description:

- Coordinated the launch of the first round of implementation research to promote progress towards UHC in Indonesia. The project commenced with national and district-level stakeholders engagement to identify priority challenges in JKN implementation. Roles also included conducting root cause analysis of priority problems with the overall research aims to provide recommendations in JKN improvement. By 2018, the final research phase has been concluded and disseminated to national and sub-national level policymakers.
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2011-2015: (projects related to MNCH)

- Assessment on Credentialing System in Indonesian UHC and Its Relations to Family Planning Program Implementation (Principal Investigator, funding: UNFPA-Indonesia)
  - Testing My Choice concept to revitalize Family Planning Program in Indonesia (Co-PI, funding: Bill & Melinda Gates Foundation)
  - Developing MNCH referral manual for Yogyakarta Province, Balikpapan and Jayapura city, Kupang and Labuan Bajo districts in Indonesia (Consultant, funding: District Health Offices)
  - Improving the Planning Process for Vulnerable Areas: Case Study on the Evidence-Based Planning and Budgeting for Maternal Child Health in Papua Province, Indonesia: USAID-TRAction grant (Principal Investigator)
  - GSK Survey and Modelling for Maternal and Neonatal Health (Indonesia group) (Consultant, consultancy service provided for RTI International) (March 2015)
  - Review of Family Planning Program in National Health Insurance Era: Study in Ten Indonesian Districts – (2014, Co-Investigator, funding: UNFPA Indonesia)
  - Investment Case Project, scale-up phase: Evidence-Based Planning and Budgeting for Maternal and Child Health in 10 districts in Papua Province (Co-Principal Investigator) (2011-2015)
  - Health Financing & Expenditure Bottleneck Study for Primary Health Care & MNCH in 8 Districts in Indonesia: DFAT grant (researcher)
  - Improving the Planning Process for Vulnerable Areas: Case Study on the Evidence-Based Planning and Budgeting for Maternal Child Health in Papua Province, Indonesia: USAID-TRAction grant (Principal Investigator 2014)
  - Review of the Implementation of Jampersal (Maternal and Child Health Insurance program) in 10 districts in Indonesia (Co-PI, 2013)
  - Informing evidence based policy making for Reproductive, Maternal, Neonatal and Child Health: Indonesia country case study (sub-contracted by RAND Europe Corp) (PI for Indonesian case study 2012)
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#### Journal Article / Proceedings / Book Chapter

1. Mahendradhata, Y., Trisnantoro, L., Listyadewi, S., Soewondo, P., **Marthias, T.**, Harimurti, P., & Prawira, J. (2017). The Republic of Indonesia Health System Review (Vol. 7). India: World Health Organization.
  2. Nababan, H. Y., Hasan, M., **Marthias, T.**, Dhital, R., Rahman, A., & Anwar, I. (2018). Trends and inequities in use of maternal health care services in Indonesia, 1986–2012. *International journal of women's health*, 10, 11.
  3. Harbianto, D., Trisnantoro, L., **Marthias, T.**, Kurniawan, M. F., Putri, L. P., & Marbun, D. (2016). The Impact of Bappeda Involvement In The Cross Sector SKPD's Capacity Development For Planning And Budgeting For Mnch Program At Papua Province. *Jurnal Kebijakan Kesehatan Indonesia*, 05, 53-59.
  4. Ni Luh Putu Eka Putri Andayani, **Tiara Marthias**, Likke Prawidya Putri, Armiatin. "Public hospital governance in Indonesia", chapter in: World Health Organization. "Public hospital governance in Asia and the Pacific." (2015).
  5. Hodge, A, Firth, S, **Marthias, T** & Jimenez-Soto, E. (2014). 'Location Matters: Trends in Inequalities in Child Mortality in Indonesia. Evidence from Repeated Cross-Sectional Surveys', *PloS one*, vol. 9, no. 7, p. e103597.
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6. **Marthias, T.**, Kurniawan, M. F., & Putri, L. (2014). Maternal health insurance in Indonesia: assessment of a policy design. *BMC Public Health*, 14(Suppl 1), P8.
7. Kurniawan, M. F., **Marthias, T.**, Harbianto, D., Purwaningrum, D., & Putri, L. (2014). Choosing the appropriate funding sources; lesson learned from Maternal Neonatal Child Health evidence-based planning in 3 districts in Papua, Indonesia. *BMC Public Health*, 14(Suppl 1), O19
8. Anderson, I., Marzoeeki, P., Meliala, A., Pambudi, E., Hariadi, K., & **Marthias, T.** (2013). The Production, Disbursement, and Performance of Physicians, Nurses, and Midwives in Indonesia: An Update. Working Paper, Jakarta, World Bank.
9. **Marthias, T.**, & Trisnantoro, L. (2012). Health system for maternal health – A case study from Papua, Indonesia. *BMC Public Health*, 12(Suppl 2), A24.
10. Kurniawan, M. F., Harbianto, D., Purwaningrum, D., & **Marthias, T.** (2012). Evidence-based budgeting policy in maternal and child health programme: do they work? *BMC Public Health*, 12(Suppl 2), A31.
11. **Marthias, T.** (2011). Inequality in Maternal Health Care Utilisation in Indonesia: An Analysis of the Demographic & Health Survey 2007. Available at SSRN 2267584.

#### Association & Networks

2008 – now	Indonesian Medical Doctor Association (IDI) (member)
2012 – now	Equitap Network (Asia-Pacific region network for research groups on developing more equitable health systems, <a href="http://www.equitap.org/">http://www.equitap.org/</a> ) (member)
2012 – now	Health Systems Global (member)
2012 – now	Indonesia Health Policy Network (member)
2013 – now	International Health Economics Association (Ad-hoc committee member on Congress Metrics)
2014 – now	Global Network for Health Equity (GNHE) (joint equity research network for Asia-Pacific, Africa and South Americans countries) (member)
2014 – now	Indonesia Health Economics Association (member)

#### Awards & Fellowship

2018	Health Equity Initiative Fellowship, 3 <sup>rd</sup> cohort (part of the Atlantic Fellowship)
2016 – current	Australia Awards Scholarship (AAS) from DFAT – Australia (for PhD in Public Health program)

#### Referees

**Prof. dr. Laksono Trisnantoro, MSc, PhD**  
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