

New Insights into the Provision of Health Services in Indonesia

A Health Workforce Study

Claudia Rokx, John Giles, Elan Satriawan,
Puti Marzoeki, Pandu Harimurti, and
Elif Yavuz



THE WORLD BANK
Washington, D.C.

Contents

<i>Foreword</i>		<i>xi</i>
<i>Acknowledgments</i>		<i>xiii</i>
<i>Abbreviations</i>		<i>xv</i>
Overview		1
	Context and Background	1
	The Importance of the Indonesian Health Workforce	2
	Summary of Findings	3
	Policy Suggestions	8
	Notes	12
	References	13
Chapter 1	Introduction	15
	Rationale and Objectives of This Report	16
	The Focus of the Report	20
	Structure and Outline of the Study	22
	Notes	23
	References	24

Chapter 2	Indonesia's Health System and Policies Affecting the Health Workforce	25
	Health Outcomes and the Health Workforce	25
	Policies Affecting the Supply and Quality of the Health Workforce	32
	Notes	37
	References	38
Chapter 3	The Supply and Distribution of Health Practitioners and Health Facilities	41
	Changes in the Supply of Health Practitioners, 1996–2006	42
	Changes in Staffing at the Public Health Facilities, <i>Puskesmas</i> and <i>Pustu</i> , 1997–2007	47
	Changes in the Supply of Public Health Facilities, 1996–2007	50
	Notes	54
	References	56
Chapter 4	Effects of Changes in the Supply of Health Workers on the Use of Health Services	57
	Patterns in the Use of Services and Changes in Provider Choice, 1997–2007	57
	Choice of Providers	60
	Changes in the Supply of Private Health Services and Utilization	65
	Notes	67
	References	68
Chapter 5	The Quality of Public Health Facilities and Practitioners	71
	Changes in the Structural Quality of Public Health Facilities: <i>Puskesmas</i> and <i>Pustu</i>	72
	Measuring Diagnostic Ability Using Indonesia Family Life Survey Vignettes	76
	Changes in Diagnostic and Treatment Ability over Time	77
	Quality and In-Service Training	84
	Changes in Quality and Growth of the Private Sector	85
	Notes	87
	References	88

Chapter 6	Discussion and Policy Suggestions	91
	Key Findings on Quantity and Distribution	92
	Policy Suggestions on Quantity and Distribution	93
	Key Findings Regarding Quality	96
	Policy Suggestions Regarding Quality	97
	Further Research Options: Provider Payment Methods	98
	Notes	98
Appendix 1	Data Sources	99
	Notes	100
Appendix 2	Definitions of Health Facilities and Providers	101
Appendix 3	Convergence in Quality	105
	Quality Convergence by Region	107
	Rural-Urban Differences in Quality Convergence	109
	Differences in Quality Convergence by Socioeconomic Status	109
Appendix 4	Private Health Care Providers and Utilization	111
	Growth of the Private Sector and Choice between Private and Public Sector Providers	113
	Notes	121
Appendix 5	Health Provider Knowledge and the Private Sector	123
	The Correlations between Training and Experience and Health Provider Knowledge	124
Appendix 6	Types of Incentives	129
	Bibliography	131
	Index	133
Box		
5.1	Food for Thought—Unpacking the Health Production Function: Quality and Health Outcomes	73