

CONTENTS

1 INTRODUCTION	1
Teacher Quality	1
The Response	2
Organization of the Book	5
Notes	6
2 INDICATORS OF TEACHER QUALITY	7
Student Achievement	7
Teacher Attributes	8
Principals' Ratings of Their Staffs	12
Other Indicators	13
Notes	14
3 TEACHER PAY AND RECRUITMENT	15
National Trends in Teacher Recruitment	16
Recruitment and Salaries	21
Testing for Bias and Robustness	36
Conclusion	40
Notes	42
Appendix 3A 45: Data Sources	45
Appendix 3B 49: Components of State-Level Salary Growth	49
Appendix 3C 51: Ratings of New Teachers	51
4 WHAT WENT WRONG	53
Teaching Careers: Preparation, Entry, Tenure	54
Vacancy Rates and the Supply of New Teachers	56
Teacher Attrition and Job Availability	62
Screening and the Quality of Teacher Applicants	65
Recapitulation: Critical Features of the Labor Market	74
Responses to Skeptics	76
Conclusion	85
Notes	86
Appendix 4A: Teacher Attrition and Demand for New Teachers	89
Appendix 4B: A Model of Turnover and Workforce Quality	93
Appendix 4C: Wages, Career Choices and the Composition of the Applicant Pool with Respect to Ability	95
Notes	104

5 PROSPECTS FOR REFORM	105
Salary Differentiation	107
Lowering Entry Barriers	110
Raising Standards	116
Conclusion	124
Notes	126
6 THE PRIVATE SECTOR	129
Teacher Quality	130
Working Conditions and Benefits	133
Compensation Policies	137
Recruitment Priorities and Constraints	140
Turnover and Related Policies	142
Market Forces and Public Education	147
Notes	154
Appendix 6A: Public and Private School Salary Regressions	157
7 CONCLUSION	163
References	167
Index	177

LIST OF TABLES

3.1 Characteristics of School Systems in which New and Experienced Teachers Work	33
Appendix 3C.1 Influence of Salary Growth on Principals' Ratings of New Teachers	52
4.1 Influence of Salary and Job Availability on New Teacher Certification	59
4.2 Application Rates by College Ranking	69
4.3 Teaching Pay, Working Conditions by College Ranking	70
4.4 Influence of Teacher Attributes on Job Offers	72
Appendix 4C.1 Difference in Total Wage Elasticities	101
6.1 Comparison of Public and Private School Teachers	131
6.2 Teachers' Perceptions of Colleagues, Students, and School Administration	135
6.3 Percentage of Teachers Who Thought That They Had a Great Deal of Influence on Certain Policies, by Sector: 1987-88 and 1990-91	136
6.4 Use of Incentive Pay	138
6.5 Teachers Certified in Primary Teaching Field as a Percent of All Teachers	141
6.6 Percent of Teachers Who Graduated from Selective Colleges and Universities	143
6.7 Assistance for New Teachers in Public and Private Schools	146
Appendix 6A.1 Salary Regressions	162

LIST OF FIGURES

3.1 Changes in the Workforce: College Attended	17
3.2 Changes in the Workforce: Subject Matter Preparation	19
3.3 New Teachers' Undergraduate GPA	20
3.4 Changes in Relative Teacher Salaries by State	22
3.5 Relative SAT Scores of Education Majors and Teacher Pay	23
3.6 Education Majors' Share of SAT Takers and Teacher Pay	23
3.7 Growth in Relative Teaching Salaries	25
3.8 Teachers Who Attended Most Selective Colleges	26
3.9 Teachers Who Attended Least Selective Colleges	27

3.10 Secondary School Teachers with Bachelor's Degrees in Math or Science	28
3.11 Secondary School Teachers with Academic Majors	30
3.12 Principals' Ratings of Their Staffs, by Salary Growth	35
4.1 Teacher Pay and Entry into Teaching	57
4.2 Demand for New Teachers, Following a Salary Increase	64
4.3 Entry of New Teachers, by College Rank	67
6.1 New Teacher Ratings by School Type	132
6.2 Experienced Ranking by School Type	133