

Contents

Preface	vii
Acknowledgements	x
Introduction	1
The pursuit of health equity on a planet of cities	1
The spatial and relational complexity of urban health inequities	2
From health in cities to healthy city planning	5
New science for healthy and equitable cities	7
On methods	8
Why these cases?	9
Outline of the book: learning from the South	10
1 Adaptive Urban Health Justice	14
Of machines and butterflies	14
Eco-social epidemiology	15
Embodiment	15
Multiple pathways of embodiment	16
Weathering hypothesis	17
Relational framing: exposure, susceptibility and resilience	18
Relational characteristics of urban places	21
Accountability and agency: identifying responsible institutions	22
Science and technology studies for the city	24
Adaptive ecosystem management	25
Adaptive urban health justice = healthy city planning	27
Building from practice	34
2 The City in the Field	36
Investigating nineteenth-century urban health inequities in the field	36
The 1840s: competing economic and sanitary explanations for urban disease	38
Filth and urban health	39
Chadwick and the urban sanitary movement	39
Changing the 'immoral traits' of slum dwellers	41
The Public Health Acts	42
John Snow and the neighbourhood field site	43
Private interest and urban sanitary action	45
Urban sanitary governance in America	46
Surveying the city	47
Social reformers and the urban field site	48
Wilderness and the city	49
Eugenics, racism and the city	51
From field site to an emerging laboratory science of the city	53
3 The City as Laboratory	55
Germs, labs and city management	56
Colonialism and cities of the South as labs	57
The vaccine revolt in Rio de Janeiro	58
Health and social justice in American planning	59
Partitioning the city for health	61
Laboratory-like healthy urban designs	62
Controlling the colonial city with the neighbourhood unit	65
Planning the healthy neighbourhood	66
Housing, health and urban renewal	69
Social movements and medicine	72
Resisting the lab	72

Environmental health, justice and cities	73
Merging field and laboratory through community health centres	75
Conclusions	77
4 Favela Health in Rio de Janeiro, Brazil	79
Navigating for health on the 'Hill of Vultures'	79
A planning and health history of Rio's <i>favelas</i>	81
The vaccine revolt and urban health in Rio's <i>favelas</i>	82
The impacts of early twentieth-century urban planning on the health of the poor	84
Shifting governance and the growth of <i>favelas</i>	86
Democratic transition and integrated urban health policies	87
Municipal health for all	88
The Brazilian fight against AIDS: relational policy-making for health equity	88
Constitutional guarantees of health and the 'Right to the City'	89
Community health centres and health agents	90
<i>Favela-Bairro</i>	91
<i>Bolsa Família</i> : from treetops to grassroots	93
CEDAPS: networked solutions for <i>favela</i> health equity	95
Community prevention and planning	97
From neighbourhood to nation for <i>favela</i> health	100
5 Collaborative Planning in Nairobi's Slums	103
Nairobi: the place of cold waters	106
Colonial Planning and African Segregation	109
Public health in the colonial town	110
The 1948 colonial master plan	111
Informality as urbanization in post-independence Nairobi	113
The Mathare informal settlement, 1970	114
Health in 1970 Mathare	115
Mathare in the 1990s	116
Impact of the Mathare 4A project on informal settlement planning	117
Twenty-first-century informal settlement planning in Nairobi	118
Network epistemologies for slum health: Slum Dwellers International	120
Learning the city by (re)making it	121
Out of crisis: a healthy planning process	122
Planning for a new Mathare	123
Water and health in Mathare	125
The Mathare valley zonal plan	126
Planning as on-going monitoring	127
Conclusions	129
6 Planning for Environmental Health Justice in Richmond, California	130
Seeking health and justice in Richmond	130
Richmond's industrial history, land use and equity	131
<i>North Richmond: unincorporated and excluded</i>	134
Early environmental health and justice activism	135
General planning for health equity	138
Richmond Equitable Development Initiative (REDI)	139
Incorporating health equity in the General Plan	140
The Health and Wellness Element	143
Confronting multinational corporate power ... and winning	145
Community health indicators	147
From planning to action for health equity	149
The Richmond Health Equity Partnership	151
Conclusions	153
7 Towards a Planet of Healthy and Equitable Cities	155
Hybrid science for the healthy city	156
Adaptive Urban Health Justice	156
Planning with Soul	158

References	160
-------------------	-----

Index	176
--------------	-----