

# Contents

Foreword	vii
Acknowledgements	ix
<b>Chapter 1. Introduction</b>	<b>1</b>
1.1 What is a healthy village?	2
1.2 Structure of the guide	3
1.3 Using the guide and setting priorities	3
<b>Chapter 2. Achieving good health</b>	<b>7</b>
2.1 Factors that influence health	7
2.1.1 Environment	7
2.1.2 Awareness of health issues	9
2.1.3 Personal hygiene	9
2.1.4 Health care	10
2.1.5 Faecal-oral diseases	10
2.1.6 Vector-borne diseases	10
2.2 Identifying health problems and establishing priorities	11
2.2.1 Assessing community perceptions about health	12
2.2.2 Identifying causes of health problems	16
2.3 Using the information	18
<b>Chapter 3. Water</b>	<b>19</b>
3.1 Providing community water supplies	19
3.2 Types of water sources	22
3.2.1 Protected springs	22
3.2.2 Dug wells	24
3.2.3 Boreholes	25
3.2.4 Piped water supply	27
3.2.5 Rainwater harvesting	29
3.2.6 Ponds, lakes and water treatment	30

3.3	Household water treatment	30
3.3.1	Boiling	31
3.3.2	Canvas filters	31
3.3.3	Candle filters	31
3.3.4	Disinfection	31
3.3.5	Settling	32
3.4	Safe handling of water	32
3.5	Monitoring water quality	33
3.5.1	Microbial quality	33
3.5.2	Sanitary inspection	34
3.5.3	Chemical quality	34
3.6	Managing community water resources	35
3.6.1	Preventing over-pumping of groundwater	35
3.6.2	Water conservation	35
3.6.3	Managing water for agriculture	36
<b>Chapter 4. Excreta disposal</b>		<b>38</b>
4.1	Technologies for excreta disposal	38
4.1.1	Cartage	39
4.1.2	Pit latrines	40
4.1.3	Septic tanks	43
4.1.4	Aquaprivies	44
4.1.5	Sewerage systems	44
4.2	Sewage treatment and reuse	45
4.2.1	Stabilization ponds	45
4.2.2	Wastewater and sludge reuse	46
<b>Chapter 5. Drainage</b>		<b>48</b>
5.1	Problems caused by poor drainage	48
5.2	Methods for improving drainage	49
5.2.1	Stormwater drains	49
5.2.2	Sullage disposal methods	50
5.2.3	Combined drains	51
5.2.4	Buried drains and combined sewers	51
<b>Chapter 6. Solid waste management and chemical safety</b>		<b>52</b>
6.1	Strategies for solid waste management: minimizing waste and recycling	52
6.2	Managing solid waste in households	53
6.2.1	Composting	53
6.2.2	Turning organic waste into fuel	53
6.3	Managing solid waste in the community	54

6.3.1	Communal refuse pit	54
6.3.2	Communal collection	54
6.4	Managing special solid wastes	55
6.4.1	Health care solid wastes	55
6.4.2	Slaughterhouse solid wastes	56
6.4.3	Industrial solid wastes	56
6.5	Chemical safety	57
6.5.1	Storage of toxic chemicals	57
6.5.2	Handling toxic chemicals	58
6.5.3	Chemicals in the home	59
6.5.4	Disposal of toxic chemicals	60
<b>Chapter 7. Housing quality</b>		<b>61</b>
7.1	Ventilation	61
7.2	Lighting	62
7.3	Disease vectors in the home	62
7.4	Overcrowding in homes	63
<b>Chapter 8. Personal, domestic and community hygiene</b>		<b>65</b>
8.1	Personal and domestic hygiene	65
8.1.1	Handwashing	65
8.1.2	Bathing	66
8.1.3	Laundering	68
8.2	Community hygiene	68
8.2.1	Markets	68
8.2.2	Animal rearing	69
8.3	Food hygiene	70
8.3.1	Food preparation in the home	70
8.3.2	Eating-houses	71
8.3.3	Street food-vendors	72
8.3.4	Promoting nutrition	73
<b>Chapter 9. Promoting hygiene</b>		<b>74</b>
9.1	Assessing hygiene practices	74
9.2	Planning hygiene promotion projects	75
9.3	Implementing hygiene promotion projects	76
9.3.1	Building community capacity	76
9.3.2	Organizing groups and committees	76
9.3.3	Situation analysis	77
9.3.4	Communication and education	77
9.4	Monitoring and evaluating hygiene projects	78
9.4.1	Deciding what information is needed	79

9.4.2	Selecting project investigators	80
9.4.3	Selecting tools for collecting information	80
9.4.4	Reviewing project findings	81
9.4.5	Feedback and dissemination of findings	81
<b>Chapter 10. Providing health care</b>		<b>82</b>
10.1	Establishing community health care programmes	84
10.2	Factors that influence the type of health care that people seek	85
10.3	Encouraging and sustaining the use of health services	86
10.4	Immunization of children	86
10.4.1	Overcoming barriers to immunization	87
10.4.2	Making immunization safe	89
10.5	Groups with special health care needs	90
10.5.1	Pregnant women and infants	90
10.5.2	The elderly	91
10.6	Risky behaviour	91
10.6.1	Changing risky behaviour	92
10.6.2	Health education	93
10.7	Mental health problems, learning difficulties and epilepsy	94
10.7.1	Mental health problems	94
10.7.2	Learning difficulties	95
10.7.3	Epilepsy	95
10.7.4	Social inclusion	95
<b>Chapter 11. Establishing committees for implementing Healthy Villages programmes</b>		<b>97</b>
11.1	The role of local community committees in Healthy Villages programmes	98
11.1.1	Composition of a Healthy Villages committee	98
11.1.2	Transparency and accountability	99
11.2	The role of local government committees in Healthy Villages programmes	99
11.2.1	Funding and accountability	100
11.2.2	Technical advice and support	100
11.3	The role of national committees and coordinators in Healthy Villages programmes	101
<b>Annex 1. Organizations supporting Healthy Villages initiatives</b>		<b>103</b>
<b>Annex 2. Books and manuals providing further advice</b>		<b>106</b>