## Contents



Pre	Preface by Etienne Krug, WHO			
Foreword by Stephen Deane, IATSIC				
Contributors				
Ac	knov	ledgements	×	
ı.	Exe	cutive summary	1	
2.	Ori	entation to the Essential Trauma Care Project	3	
	2.1	Goals of the Essential Trauma Care Project	3	
	2.2	Disparities in outcome of trauma	4	
	2.3	Elements of trauma care to reinforce	4	
	2.4	Foundations on which to build	6	
	2.5	Evidence of the impact of better organization of trauma services	7	
	2.6	Development process for essential trauma care	8	
	2.7		9	
3.	Ess	ential trauma services: needs of the injured patient	11	
4.	Inp	uts needed to achieve essential trauma services	13	
	4.1	Overview	13	
	4.2	Resource matrix: introduction	13	
	4.3	Resource matrix: necessary elements of trauma care	13	
	4.4	Resource matrix: range of health facilities	14	
	4.5	Resource matrix: designation of priorities	16	
5.	Guidelines for essential trauma care			
	5.1	Airway management	19	
	5.2	Breathing—management of respiratory distress	22	
	5.3	Circulation—management of shock	24	
	5.4	Management of head injury	28	
	5.5	Management of neck injury	31	
	5.6	Management of chest injury	32	

5.7	Management of abdominal injury	34	
5.8	Management of extremity injury	36	
5.9	Management of spinal injury	39	
5.10	Management of burns and wounds	42	
5.11	Rehabilitation	45	
5.12	Pain control and medicines	48	
5.13	Diagnosis and monitoring	53	
5.14	Safety for health care personnel	56	
5.15	Special considerations for children	57	
Met	hods for promoting essential trauma care services	59	
6.1	Training for trauma care	59	
6.2	Performance improvement	64	
6.3	Trauma team and organization of the initial resuscitation	69	
6.4	Hospital inspection	72	
6.5	Integration of systems for trauma management	75	
6.6	Interaction and coordination of stakeholders	78	
6.7	Progress to date	79	
References			
nex I	. Detailed list of equipment and services for airway		
	management	86	
nex 2	-	87	
nex 3	. Detailed list of individuals and groups involved in		
	development of Guidelines for essential trauma care	93	
	5.9 5.10 5.11 5.12 5.13 5.14 5.15 Met 1 6.2 6.3 6.4 6.5 6.6 6.7 ference 1	5.8 Management of extremity injury 5.9 Management of spinal injury 5.10 Management of burns and wounds 5.11 Rehabilitation 5.12 Pain control and medicines 5.13 Diagnosis and monitoring 5.14 Safety for health care personnel 5.15 Special considerations for children  Methods for promoting essential trauma care services 6.1 Training for trauma care 6.2 Performance improvement 6.3 Trauma team and organization of the initial resuscitation 6.4 Hospital inspection 6.5 Integration of systems for trauma management 6.6 Interaction and coordination of stakeholders 6.7 Progress to date  ferences  nex 1. Detailed list of equipment and services for airway management nex 2. Composition of a typical trauma team nex 3. Detailed list of individuals and groups involved in	