

Contents

Abbreviations and acronyms	v
---	---

Acknowledgements	vii
-------------------------------	-----

Preface	viii
----------------------	------

Module 1: Target diseases

1. Diphtheria	5
2. Measles	7
3. Mumps	10
4. Pertussis	12
5. Poliomyelitis (polio)	14
6. Rubella and congenital rubella syndrome	17
7. Tetanus	19
8. Tuberculosis (TB)	22
9. Hepatitis B	24
10. Haemophilus influenzae type b (Hib)	26
11. Japanese encephalitis (JE)	28
12. Meningococcal meningitis	30
13. Yellow fever (YF)	32
14. Vitamin A deficiency (VAD) and EPI plus	34

Module 2: The vaccines

1. Diphtheria-tetanus-pertussis (DTP) vaccine	4
2. Measles vaccine	6
3. Measles-rubella (MR) and measles- mumps-rubella (MMR) combination vaccines ..	8
4. Oral polio vaccine (OPV)	10
5. Tetanus toxoid (TT) vaccine	12
6. Tuberculosis vaccine (BCG)	14
7. Hepatitis B (hepB) vaccine	16
8. DTP-hepB combination vaccine	18
9. Haemophilus influenzae type b (Hib) vaccine	19
10. DTP-hepB+Hib combination vaccine	20
11. Japanese encephalitis (JE) vaccine	21
12. Meningococcal vaccine	22
13. Yellow fever (YF) vaccine	23
14. Summary	24

Module 3: The cold chain

1. The cold chain	3
2. Cold chain equipment used in health facilities	5
3. Cold chain monitoring equipment used in health facilities	10

4.	How to load cold chain equipment	15
5.	How to freeze ice-packs	20
6.	How to monitor and adjust the refrigerator temperature	21
7.	How to maintain cold chain equipment	24
8.	The shake test.....	26
9.	Summary	28

Module 4: Ensuring safe injections

1.	Using safe injection equipment and techniques	3
2.	Preventing needle-stick injuries and infections	9
3.	Disposing of used syringes and needles.....	13
	Annex 1: Unsafe immunization practices	21

Module 5: Planning immunization sessions to reach every infant

1.	Planning at district level involving all health facilities	3
2.	Special planning issues	13
3.	Estimating vaccine and supply needs	17
4.	Stock management	23
5.	Involving the community in planning	26
	Annex 1: Guidelines to determine the immunization strategy	
	Annex 2: Sample district workplan	29
	Annex 3: Reducing vaccine wastage	31
	Annex 4: Vaccine wastage calculations at health facility level	33

Module 6: Holding an immunization session

1.	Setting up an immunization session	3
2.	Assessing infants and women and completing the register	10
3.	Giving the right vaccine safely	15
4.	Completing the tally sheet and infant's immunization card	25
5.	Communication with parents during and after the immunization sessions	27
6.	Concluding the session.....	29

Module 7: Monitoring and using your data

1.	Basic recording tools	3
2.	Making summary reports	12
3.	Monitoring your performance	17
4.	Taking corrective action	24
	Annex 1: Sample immunization register for infants and mothers	30
	Annex 2: Reporting routine TT immunization for women	31
	Annex 3: Blank monitoring chart.....	33
	Annex 4: Worked example: Analyses of health facility data	34
	Annex 5: Supervisory checklist during visits to a health facility	35
	Annex 6: Simple questionnaire to investigate reasons for low coverage & dropouts.	37

Module 8: Building community support for immunization

1.	Meeting with the community to build support for immunization services	3
2.	Planning suitable sessions	7
3.	Mobilizing your community using suitable message and methods	8
4.	Dealing with rumours and misinformation	10