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Nota di contenuto	Cover; Contents; Acronyms and abbreviations; Preface; Acknowledgements; 1 Introduction; 1.1 Background; 1.2 Sources of fluoride intake in humans; 1.3 Fluoride metabolism and excretion; 1.4 Biomarkers of fluoride exposure; 1.5 Urinary fluoride assessments in population oral health; 1.6 Areas of uncertainty; 2 General design of study; 2.1 Background; 2.2 Identification of participants; 2.3 Sampling; Location; Number of subjects; Age groups; Frequency; Time of study and number of days; 2.4 Methods of monitoring; 2.4.1 24-hour urine collection

2.4.2 Timed collections of urine obtained from defined periods of a day3 Methods for collecting urine, and for handling and evaluating results; 3.1 Recording of information; 3.1.1 General information; Figures; Figure 3.1 Example of daytime label used in time-controlled collections, to be attached to the urine collecting jar (WHO Form No. 96392, modified); Figure 3.2 Overnight urine collection label used in time-controlled collections (WHO Form No. 96393); Figure 3.3 Summary record form of urine collection from a group of children in time-controlled collections (WHO Form No. 96391)

3.1.2 Personal informationFigure 3.4 Sample invitation; Figure 3.5 Questionnaire on use of fluoride supplements and toothpaste; 3.2 Essential preparatory practices; 3.2.1 Pre-collection planning approaches; 4 Twenty-four hour urine collection; 4.1 Procedure; 4.2 Fluoride and creatinine concentrations; 4.3 Information to be recorded; 4.4 Determination of fluoride in urine; 4.5 General rules for tabulation and processing of data; 5 Design of the final report for 24-hour urine collection; 5.1 Introduction; 5.2 Materials and methods; 5.3 Results; Tables

Table 5.1 Urinary fluoride excretion data from 24-hour urine

Sommario/riassunto	This manual informs about practical procedures inassessment of renal fluoride excretion based on experience fromexisting national fluoridation programmes. Theassessment tools will primarily be useful inassisting countries in achieving an effectivefluoride exposure. It is a hope that the manual willstimulate oral health personnel and public healthadministrators to use a systematic approach formanaging and analysing data obtained fromdifferent levels of fluoride exposure. Finally themanual encourages inter-country collaboration onsurveillance systems for community programmesusing fluoride for pr