
Table of content

Table of content.....	i
Acknowledgments	iv
Summary.....	vii
Zusammenfassung.....	xii
ጽሑፍ ትሕዝብ መጽናዕታዊ ጽሑፍ	xvii
Abbreviation (only frequently used)	xxi
List of figures.....	xxii
List of tables.....	xxv
Chapter One: Introduction	1
1.1 A brief introduction to Eritrea	2
1.2 Global migration crisis	4
1.3 Migration Health	8
1.3.1 Infectious diseases (IDs).....	12
1.3.2 Non-communicable diseases (NCDs) and risk factors	16
1.3.3 Mental health (MH)	18
Chapter Two: Aim and Objectives.....	21
3.1 Rationale.....	22
3.2 Aim.....	23
3.3 Specific objectives.....	23
Chapter Three: Method	25
3.1 Systematic review and Meta-Analysis	26
3.2 Immigrant Health Study Switzerland (IHSS).....	28
3.2.1 Study design	28
3.2.2 Setting	28

3.2.3 Participants	28
3.2.4 Variables	30
3.3 Data Analysis and statistics	31
3.4 Ethical clearance	32
Chapter Four: Result part-1: Review	33
Prevalence rates of six selected infectious diseases among African migrants and refugees: a systematic review and meta-analysis	34
Chapter Five: Result part-2: Infectious Diseases (IDs)	66
Spectrum of infectious diseases among newly arrived Eritrean refugees in Switzerland: a cross-sectional study	67
Chapter Six: Result part-3: Diagnostics	84
Accuracy of diagnostic tests for <i>Schistosoma mansoni</i> infection in asymptomatic Eritrean refugees: serology and point-of-care circulating cathodic antigen against stool microscopy	85
Chapter Seven: Result part-4: Non-communicable Diseases (NCDs)	107
Non-communicable risk factors among recently arrived Eritrean refugees in Switzerland	108
Chapter Eight: Result part-5: Vitamin D	118
Serum 25-hydroxyvitamin D levels and intramuscular vitamin D3 supplementation among Eritrean migrants recently arrived in Switzerland	119
Chapter Nine: Result part-6: Mental Health	130
Mental health and Resilience, on arrival and a year after, among Eritrean refugees in Switzerland: A cohort study	131
Chapter Ten: Over all discussion	149
10.1 Epidemiological concept	150
10.2 Public Health Impact	158
10.3 Implication and future perspective	162

Chapter Eleven: Appendix	170
11.1 Additional figures for chapter 4	171
11.2 Supplementary reference list for chapter 4	176
11.3 Social Resilience and Mental Health among Eritrean Asylum-Seekers in Switzerland (nested Qualitative study)	177
11.4 Questionnaires for Mental Health screening	214
11.4.1 Alcohol Use Disorders Identification Test (AUDIT)	214
11.4.2 Patient Health Questionnaire Somatic Anxiety and Depression Syndrome (PHQ- SADS)	217
11.4.3 Post-traumatic stress disorder check list-civilian version (PTSD-CL-S)	220
11.4.4 The 14-Item Resilience Scale (RS-14)	222
11.4.5 Questionnaires: in Tigrigna translation	223
11.4.6 Guide for an open in-depth interview for qualitative study	232
11.4.7 Vignette for qualitative mental health	239
11.5 Curriculum Vitae (CV)	243
Twelve: References	247