

TABLE OF CONTENTS

- Message from the Chief Executive Officer

1.0 EXECUTIVE SUMMARY

2.0 ACKNOWLEDGEMENTS

3.0 ABBREVIATIONS

4.0 INTRODUCTION

4.1	PURPOSE.....	4-1
4.2	WHAT IS A COMMUNITY HEALTH ASSESSMENT?.....	4-1
4.3	NEHA RESPONDS TO PREVIOUS CHA REPORT 1998.....	4-2
4.4	2003-2004 CHA PROCESS.....	4-5
4.4.1	STEERING COMMITTEE.....	4-7
4.4.2	DATA COLLECTION TEAMS.....	4-7
	4.4.2.1 <i>Regional Health Authority Data Team.....</i>	4-7
	4.4.2.2 <i>Information Technology Team.....</i>	4-7
	4.4.2.3 <i>Aboriginal Team.....</i>	4-7
	4.4.2.4 <i>Community Consultation Team</i>	4-8
4.4.3	AWARENESS.....	4-9
4.4.4	CONSULTATION	4-10
4.5	CHA FRAMEWORK – MANITOBA’S HEALTH PERFORMANCE MEASUREMENT FRAMEWORK.....	4-11
4.5.1	OVERVIEW.....	4-11
4.6	POPULATION HEALTH MODEL.....	4-16
4.7	ETHICS.....	4-17
4.7.1	PERSONAL HEALTH INFORMATION ACT.....	4-17
4.7.2	NEHA POLICIES.....	4-17
4.7.3	GUIDELINES DEVELOPED BY CHAN.....	4-17

TABLE OF CONTENTS

4.8	HOW TO USE THIS REPORT	4-19
4.8.1	GENERAL USE.....	4-19
4.8.2	INTRODUCTION – SECTION 4.....	4-20
4.8.3	DATA COLLECTION & METHODOLOGY – SECTION 5	4-20
4.8.4	REGIONAL INFORMATION – SECTION 6.....	4-20
4.8.5	HEALTH SERVICES – SECTION 7.....	4-21
4.8.6	HEALTH DISTRICTS – SECTIONS 8 THROUGH 13.....	4-21
4.8.7	CONCLUSION – SECTION 14.....	4-21
4.9	PRIORITY SETTING.....	4-22
4.10	SUMMARY/CONCLUSION.....	4-23
4.11	REFERENCES.....	4-24

APPENDICES - SECTION 4

4-1	Community Health Assessment Network (CHAN) Terms of Reference
4-2	2003-2004 CHA Steering Committee Terms of Reference
4-3	Role of the Community Consultation Team
4-4	CHA Ethics Guidelines & CHAN Ethics Policy
4-5	Diagnostic Categories

5.0 DATA COLLECTION METHODOLOGY

5.1	OVERVIEW.....	5-1
5.2	LIST OF PRIMARY SOURCES OF INFORMATION.....	5-2
5.2.1	MANITOBA HEALTH (2003 & 2004) NORTH EASTMAN REGIONAL HEALTH PROFILE. AUGUST 2003 AND MARCH 2004.....	5-2
5.2.2	MARTENS, P. ET AL. (2003) THE MANITOBA RHA INDICATORS ATLAS: POPULATION –BASED COMPARISONS OF HEALTH & HEALTH CARE USES. MCHP. JUNE.	5-4
5.2.3	STATISTICS CANADA WEB SITE: HTTP://WWW.STATCAN.CA	5-5
5.2.4	ACUMEN RESEARCH (2004) COMMUNITY HEALTH SURVEY 2003.....	5-5
5.2.5	NORTH EASTMAN RHA DATA.....	5-10
5.2.6	MANITOBA HEALTH INJURIES OF MANITOBA – A TEN YEAR REVIEW. JANUARY 2004.....	5-10



TABLE OF CONTENTS

5.3	PRIMARY SOURCES OF QUALITATIVE INFORMATION.....	5-11
5.3.1	FOCUS GROUPS.....	5-11
5.3.2	COMMUNITY VALIDATION MEETINGS “AN OVERVIEW OF YOUR COMMUNITY’S HEALTH STATUS.”	5-16
5.3.3	NEHA HEALTH PROGRAM COMMUNITY CONSULTATIONS.....	5-19
5.3.4	GLOSSARY OF STATISTICAL TERMS.....	5-19
5.4	SUMMARY/CONCLUSION	5-19
5.5	REFERENCES.....	5-20

APPENDICES – SECTION 5

5-1	North Eastman Provincial Survey Questions And Corresponding Responses- November/December 2003
5-2	Focus Group Correspondence Letters
5-3	Validation Workshop Collation Template
5-4	Glossary Of Common Statistical Terms

6.0 NORTH EASTMAN REGIONAL PROFILE

6.1	GEOGRAPHICAL OVERVIEW.....	6-1
	Description / NE Map.....	6-1
	Geographical Boundaries.....	6-3
6.2	COMMUNITY SYSTEM CHARACTERISTICS.....	6-4
	Overview	6-4
	• Population Demographics	6-4
	• Aboriginal Population	6-6
	• First Nation Population.....	6-6
	• Population & Growth Projections	6-7
	• Comparing the Number of People Projected in 2025.....	6-8
	• Migration.....	6-8
	• Other Population Indicators	6-9
	• Language.....	6-11
	<i>Community Feedback: Characteristics That Support Healthy Living</i>	<i>6-12</i>

TABLE OF CONTENTS

Education as a Health Determinant	6-17
Overview	6-17
Attendance	6-17
Levels of Education.....	6-18
Literacy.....	6-20
Number of Children With Special Needs.....	6-21
<i>Community Feedback on Schools</i>	6-21
6.3 HEALTH STATUS	6-22
Overview	6-22
Measuring Overall Health Status.....	6-23
• Social Economic Factor Index [SEFI]	6-24
• Premature Mortality Rates Region & Health Districts.....	6-25
Deaths.....	6-27
• Life Expectancy.....	6-27
▪ Total mortality	6-28
▪ Potential Years of Life Lost (PYLL).....	6-29
▪ Causes of Death.....	6-31
Health Conditions	6-32
▪ Cancer.....	6-33
▪ Arthritis & Rheumatism	6-36
▪ Diabetes.....	6-37
▪ Respiratory Disease.....	6-41
▪ Hypertension.....	6-43
▪ Myocardial Infarction	6-44
▪ Stroke.....	6-45
▪ Injuries	6-46
<i>Overview</i>	6-46
<i>Unintentional and Intentional Injuries</i>	6-47
<i>Injury Morality Rates</i>	6-48
<i>NE Unintentional Injury Deaths</i>	6-50
<i>NE Intentional Injury Deaths</i>	6-51
<i>NE Undetermined</i>	6-52
<i>Injuries Requiring Hospitalization</i>	6-53
<i>Occupational Injuries</i>	6-54
<i>Community Feedback - Injuries</i>	6-57
Human Function	6-58
▪ Functional Health.....	6-58
<i>Community Feedback - Difficulties with Physical Health</i>	6-59
Well-being	6-59
▪ Self Rated Health.....	6-60
<i>Community Feedback – Health & Meaning of Health</i>	6-60

TABLE OF CONTENTS

6.4 DETERMINANTS OF HEALTH.....	6-63
Culture & Gender.....	6-64
Overview.....	6-64
Visible minorities.....	6-64
Environmental Factors as a Health Determinant	6-65
Overview.....	6-65
Water.....	6-65
<i>Community Feedback on Environment Safety.....</i>	<i>6-67</i>
The Air We Breathe	6-67
<i>Staff Feedback on Smoking Within Facilities</i>	<i>6-67</i>
Safety	6-68
<i>Community Feedback - Safety.....</i>	<i>6-70</i>
Housing.....	6-71
<i>Community Feedback on Housing.....</i>	<i>6-73</i>
Biology & Genetic Endowment as a Health Determinant	6-74
Overview.....	6-74
Personal Health Practices & Lifestyles as a Health Determinant	6-75
Overview	6-75
<i>Community Feedback on Life Style Changes Overall.....</i>	<i>6-76</i>
Dietary Practices	6-77
<i>Community Feedback on Dietary Practices and Behaviour.....</i>	<i>6-79</i>
Adult Immunizations	6-81
• Influenza Immunizations	6-81
• Pneumococcal Immunizations.....	6-82
Alcohol Consumption.....	6-84
Substance Use Among Manitoba Height School Students – Alcohol.....	6-85
<i>Community Feedback on Alcohol Use.....</i>	<i>6-86</i>
Gambling Practices.....	6-87
Overview.....	6-87
Substance Abuse/Use	6-88
Substance Use Among Manitoba High School Students – Substance Use	6-88
<i>Community Feedback on Illicit Drug Use.....</i>	<i>6-89</i>
Addictions Foundation Programs.....	6-90
• AFM Youth Service Clients in North Eastman	6-90
• Adults in AFM Programs in North Eastman.....	6-91
Physical Activity.....	6-91
<i>Community Feedback on Exercise</i>	<i>6-92</i>
Smoking Practices	6-94
Substance Use Among Manitoba High School Students – Smoking.....	6-95
<i>Community Feedback on Smoking Practices.....</i>	<i>6-97</i>
Risk Taking Behaviours	6-97
<i>Community Feedback on Risk Taking Behaviours.....</i>	<i>6-97</i>

TABLE OF CONTENTS

Medication Use.....	6-98
• Pharmaceutical Use in NE.....	6-98
• Antibiotic Use.....	6-99
• Antidepressant Use.....	6-100
Modifying Lifestyles to Improve Health.....	6-101
<i>Community Feedback of Lifestyle Changes.....</i>	<i>6-101</i>
Healthy Child Development as a Health Determinant.....	6-102
Overview.....	6-102
Mortality Rates.....	6-102
Injuries in Children.....	6-104
• Mortality Overview.....	6-104
• Injury Hospitalization Overview.....	6-105
Births.....	6-107
<i>Community Feedback on Obstetrical Practice.....</i>	<i>6-108</i>
Adolescent and Teenage Pregnancy.....	6-109
Overview.....	6-109
<i>Community Feedback on Teen Pregnancy.....</i>	<i>6-111</i>
Breastfeeding Practices.....	6-112
Overview.....	6-112
Birth Weights.....	6-114
• High Birth Weight.....	6-114
• Low Birth Weight.....	6-115
• Pre-Term Birth Weight.....	6-116
Childhood Immunizations.....	6-116
• Overview.....	6-116
• Childhood Immunization Rates – Completed Recommended Vaccines.....	6-118
Living & Working Conditions as a Health Determinant.....	6-123
Overview.....	6-123
Working Conditions.....	6-123
• Unemployment.....	6-125
<i>Community Feedback on Youth Employment.....</i>	<i>6-126</i>
Social Economic Status.....	6-126
• Household income.....	6-126
• Income Inequality.....	6-127
Personal Resources (Social Support Network) as a Health Determinant.....	6-128
Overview.....	6-128
Mental Emotional Health.....	6-129
• Stress.....	6-129
<i>Community Feedback on Stress & Mental Well-being.....</i>	<i>6-130</i>
• Social Support.....	6-131
<i>Community Feedback on Social Support.....</i>	<i>6-134</i>

TABLE OF CONTENTS

Other Community Supports.....	6-136
• Mental Health Support Group.....	6-136
• Rural Farmers.....	6-137
• Crisis Services & Shelters.....	6-138
• Crisis Service.....	6-139
6.5 SUMMARY & CONCLUSION	6-140
6.6 REFERENCES	6-148

7.0 REGIONAL HEALTH SERVICES

7.1 NEHA REGIONAL HEALTH SERVICES.....	7-1
Overview.....	7-1
7.2 HEALTH SYSTEM CHARACTERISTICS.....	7-6
Health Service Utilization	7-6
Alternative Care	7-6
Expenditures.....	7-7
7.3 HEALTH SYSTEM PERFORMANCE.....	7-8
Availability.....	7-8
<i>Community Feedback on Availability of Services</i>	<i>7-8</i>
Accessibility	7-9
<i>Community Feedback on Accessibility of Services and Information.....</i>	<i>7-9</i>
System Competency	7-13
Effectiveness.....	7-13
<i>Community Feedback on Information Seeking.....</i>	<i>7-13</i>
Client / Community Focus.....	7-14
Communication.....	7-14
<i>Community Feedback on Communication.....</i>	<i>7-16</i>
Confidentiality	7-19
Participation & Partnership.....	7-20
Respect & Caring.....	7-21
<i>Community Feedback on Addressing Health Concerns and Interaction with Health Providers.....</i>	<i>7-22</i>
Organization Responsibility & Involvement in the Community.....	7-25

TABLE OF CONTENTS

Work Life	7-26
Open Communications Role Clarity.....	7-26
<i>Staff Satisfaction Survey</i>	7-27
Role Clarity.....	7-30
Partnership in Decision Making.....	7-32
Learning Environment.....	7-32
Well being.....	7-34
• Workplace Injuries.....	7-35
• Influenza Staff Immunizations.....	7-36
7.4 HEALTH SYSTEM INFRASTRUCTURE	7-38
Finances	7-38
Comparing Acute and Community Care Expenditures.....	7-38
Human Resources	7-40
Leadership	7-41
Information & Technology	7-42
Research	7-43
7.5 PHYSICIAN SERVICES	7-44
7.5.1 Health System Characteristics.....	7-44
Health Service Utilization	7-44
<i>Community Feedback on Health Care Providers</i>	7-45
<i>Community Feedback on Waiting Times</i>	7-46
7.5.2 Health System Performance.....	7-52
Availability	7-52
<i>Community Feedback on Availability</i>	7-52
Accessibility	7-53
<i>Community Feedback on Physician Access</i>	7-56
<i>Community Feedback on Physician Related Services</i>	7-59
7.6 NEHA HEALTH CARE PROGRAMS	7-62
7.6.1 Facility Based Programs	7-62
7.6.1.1 Acute Care	7-62
Overview.....	7-62
<u>Health System Characteristics</u>	7-63
• Emergency Services.....	7-63
<i>Community Feedback on Emergency Services</i>	7-63
• Admissions.....	7-66
<i>Community Feedback on Utilization</i>	7-69
• High Profile Procedures.....	7-70

TABLE OF CONTENTS

<i>Community Feedback on Access</i>	7-76
<u>Health System Performance</u>	7-77
Availability.....	7-77
Accessibility.....	7-77
Appropriateness.....	7-78
Effectiveness.....	7-80
Participation & Partnerships.....	7-84
<i>Community Feedback On Rating , Acute Care, Acute Care Client Consultations</i> ...	7-84
<i>Community Feedback – Other Comments on Acute Care</i>	7-86
• Dialysis Program.....	7-87
<i>Community Feedback on Dialysis</i>	7-87
• Diagnostic Services.....	7-88
<i>Community Feedback on Diagnostic Services</i>	7-89
7.6.1.2 Long Term Care	7-92
Overview.....	7-92
<u>Community & Health System Characteristics</u>	7-93
Health Service Utilization.....	7-93
<u>Health System Performance</u>	7-94
Availability.....	7-94
Accessibility.....	7-96
<i>Community Feedback on Accessibility</i>	7-97
Appropriateness.....	7-100
<i>Community Feedback on LTC</i>	7-101
Participation & Partnership	7-102
<i>Community Feedback On Rating Of Service And LTC Client Consultations</i>	7-102
7.6.2 Community Based Programs	7-104
7.6.2.1 Home Care	7-104
Overview.....	7-104
<u>Community & Health System Characteristics</u>	7-105
Utilization	7-105
<i>Community Feedback on the Use of Community Services</i>	7-107
<u>Health System Performance</u>	7-108
Availability.....	7-108
<i>Community Feedback on Availability</i>	7-108
Effectiveness.....	7-109
<i>Community Feedback on Effectiveness</i>	7-109
Participation and Partnerships.....	7-110
<i>Community Feedback On Rating Of Service And Home Care Client Consultations</i>	7-110
7.6.2.2 Primary Health Care	7-112
Overview	7-112
<u>Community & Health System Characteristics</u>	7-113

TABLE OF CONTENTS

Utilization.....	7-113
<i>Community Feedback On Utilization and Community Services.....</i>	<i>7-114</i>
<u>Health System Performance.....</u>	7-115
Effectiveness.....	7-116
<i>Community Feedback On Importance Of Community Services and On Primary Health Care.....</i>	<i>7-116</i>
Participation & Partnership.....	7-117
<i>Community Feedback On Rating, Importance And Client Consultations.....</i>	<i>7-117</i>
7.6.2.3 Mental Health	7-118
Overview.....	7-118
<u>Community & Health System Characteristics</u>	7-119
Utilization.....	7-119
<i>Community Feedback on Utilization.....</i>	<i>7-120</i>
<u>Health System Performance.....</u>	7-121
Availability.....	7-121
<i>Community Feedback on Availability.....</i>	<i>7-121</i>
Effectiveness.....	7-122
<i>Community Feedback on Effectiveness.....</i>	<i>7-122</i>
Participation & Partnerships.....	7-124
<i>Community Feedback On Rating, Importance Of Service.....</i>	<i>7-124</i>
7.6.2.4 Emergency Medical Services	7-125
Overview.....	7-125
<u>Community & Health System Characteristics</u>	7-126
Utilization.....	7-126
<i>Community Feedback on Utilization.....</i>	<i>7-127</i>
<u>Health System Performance.....</u>	7-128
Effectiveness- <i>Community Feedback on Effectiveness.....</i>	<i>7-128</i>
Participation & Partnerships- <i>Community Feedback On Rating, Importance Of Service, EMS In General And Client Consultations.....</i>	<i>7-129</i>
7.6.2.5 Public Health.....	7-131
Overview.....	7-131
<u>Community & Health System Characteristics</u>	7-132
Utilization.....	7-132
<i>Community Feedback on Utilization.....</i>	<i>7-134</i>
<u>Health System Performance.....</u>	7-135
Accessibility- <i>Community Feedback on Accessibility.....</i>	<i>7-135</i>
Effectiveness.....	7-136
• Sexually Transmitted Diseases.....	7-136
<i>Community Feedback on STD's.....</i>	<i>7-139</i>
• Enteric, Food and Waterborne Illnesses.....	7-140
<i>Community Feedback on Public Health.....</i>	<i>7-143</i>
Participation & Partnerships- <i>Community Feedback On Rating, Importance Of Service.....</i>	

TABLE OF CONTENTS

<i>and Client Consultations</i>	7-144
Health System Infrastructure.....	7-147
• Surveillance.....	7-147
• Breast Cancer Screening.....	7-147
• Cervical Cancer Screening.....	7-149
7.6.3 Quality & Organizational Development Program.....	7-151
Overview.....	7-151
Risk Management.....	7-151
Accreditation.....	7-151
<i>Community Feedback on Quality of Health System and Addressing Health</i> <i>Concerns</i>	7-152
7.7 SUMMARY/CONCLUSION	7-153
7.8 REFERENCES	7-161

8.0 SPRINGFIELD HEALTH DISTRICT

8.1 GEOGRAPHICAL OVERVIEW.....	8-1
<i>Community Feedback On How Healthy Living Is Supported</i>	8-3
8.2 COMMUNITY SYSTEM CHARACTERISTICS.....	8-4
Overview	8-4
Population Demographics.....	8-4
Education as a Health Determinant.....	8-5
<i>Community Feedback on Schools</i>	8-7
8.3 HEALTH STATUS	8-9
Overview.....	8-9
Significant Indicators Measuring Overall Health Status.....	8-10
<i>Community Feedback on the Meaning of Health</i>	8-12
Deaths	8-13
Total Mortality Rate.....	8-13
Life Expectancy.....	8-14
Potential Years of Life Lost	8-15
Health Conditions	8-17
Cancer.....	8-17
<i>Community Feedback on Cancer</i>	8-17
Diabetes.....	8-18

TABLE OF CONTENTS

Respiratory Diseases.....	8-19
Hypertension.....	8-21
<i>Community Feedback on Hypertension.....</i>	8-21
Heart Attacks.....	8-22
Strokes.....	8-23
Injuries.....	8-24
Human Function.....	8-25
Overview.....	8-25
Well-being.....	8-25
Overview.....	8-25
<i>Community Feedback from Youth "There 's Nothing to Do.".....</i>	8-25
8.4 DETERMINANTS OF HEALTH	8-26
Environmental Factors.....	8-27
Water.....	8-27
<i>Community Feedback on Water.....</i>	8-28
Air	8-28
<i>Community Feedback on Air Quality.....</i>	8-28
Housing.....	8-29
<i>Community Feedback on Housing.....</i>	8-29
Safety.....	8-30
<i>Community Feedback on Safety</i>	8-31
Biology & Genetic Endowment	8-32
Overview.....	8-32
Personal Health Practices & Lifestyle	8-33
Overview.....	8-33
<i>Community Feedback on Personal Health Practices and Coping Skills.....</i>	8-33
Dietary Practices- <i>Community Feedback on Dietary Practices.....</i>	8-34
Alcohol Consumption- <i>Community Feedback on Alcohol Consumption.....</i>	8-35
Physical Activity- <i>Community Feedback on Exercise</i>	8-36
Smoking Practices- <i>Community Feedback on Smoking.....</i>	8-37
Medication Use.....	8-38
Pharmaceutical Use.....	8-38
Number of Different Drugs	8-38
Proportion of Residents Using Antibiotics.....	8-39
Proportion of Residents Using Antidepressants.....	8-40
<i>Community Feedback on Prescriptions and Pharmacare</i>	8-40
Healthy Child Development.....	8-41
Overview.....	8-41
Infant Mortality Rates.....	8-41
Births.....	8-41
<i>Community Feedback on Obstetrical Practice</i>	8-42
Adolescent and Teenage Pregnancy.....	8-43
Breastfeeding Practices.....	8-44
Birth Weights.....	8-45
Childhood Immunizations.....	8-47

TABLE OF CONTENTS

	<i>Community Feedback on Healthy Child Development</i>	8-48
	Living and Working Conditions	8-49
	Overview.....	8-49
	Employment and Unemployment	8-49
	Social Economic Status.....	8-50
	<i>Community Feedback on Employment and Working Condition</i>	8-51
	Personal Resources	8-52
	Overview.....	8-52
	Mental Emotional Health.....	8-53
	<i>Community Feedback on Mental Well-being</i>	8-53
	Social Support.....	8-54
	<i>Community Feedback on Social Support</i>	8-55
8.5	SUMMARY/CONCLUSION	8-57
8.6	REFERENCES	8-64

9.0 BROKENHEAD HEALTH DISTRICT

9.1	GEOGRAPHICAL OVERVIEW	9-1
	<i>Community Feedback On How Healthy Living Is Supported</i>	9-3
9.2	COMMUNITY SYSTEM CHARACTERISTICS	9-4
	Overview	9-4
	Population Demographics.....	9-4
	Education as a Health Determinant	9-6
	<i>Community Feedback on Schools</i>	9-8
9.3	HEALTH STATUS	9-9
	Overview.....	9-9
	Significant Indicators Measuring Overall Health Status.....	9-10
	<i>Community Feedback on the Meaning of Health</i>	9-12
	Deaths	9-13
	Total Mortality Rate.....	9-13
	Life Expectancy.....	9-14
	Potential Years of Life Lost	9-15
	Health Conditions	9-17
	Cancer.....	9-17
	Diabetes.....	9-18
	<i>Community Feedback on Diabetes</i>	9-18
	Respiratory Diseases.....	9-19

TABLE OF CONTENTS

Hypertension.....	9-21
Heart Attacks.....	9-22
Strokes.....	9-23
Injuries.....	9-24
Human Function.....	9-25
Overview.....	9-25
Well-being.....	9-25
Overview.....	9-25
<i>Community Feedback from Youth “There ‘s Nothing to Do.”.....</i>	9-26
9.4 DETERMINANTS OF HEALTH	9-27
Environmental Factors.....	9-28
Water.....	9-28
Air.....	9-29
Housing.....	9-29
<i>Community Feedback on Housing.....</i>	9-29
Safety.....	9-30
<i>Community Feedback on Safety.....</i>	9-32
Biology & Genetic Endowment	9-33
Overview.....	9-33
Personal Health Practices & Lifestyle	9-33
Overview.....	9-33
Dietary Practices- <i>Community Feedback on Dietary Practices.....</i>	9-34
Alcohol Consumption - <i>Community Feedback on Alcohol and Illicit Drug Use.....</i>	9-36
Physical Activity- <i>Community Feedback on Exercise.....</i>	9-37
Smoking Practices- <i>Community Feedback on Smoking.....</i>	9-38
Potential Risk Taking Behaviour – <i>Community Feedback on Risk Taking Behaviour</i>	9-38
Medication Use.....	9-39
Pharmaceutical Use.....	9-39
Number of Different Drugs	9-40
Proportion of Residents Using Antibiotics	9-41
Proportion of Residents Using Antidepressants	9-42
<i>Community Feedback on Prescriptions and Pharmacare.....</i>	9-42
Healthy Child Development.....	9-43
Overview.....	9-43
<i>Community Feedback on Youth</i>	9-43
Infant Mortality	9-44
Births.....	9-44
<i>Community Feedback on Obstetrical Practice</i>	9-44
Adolescent and Teenage Pregnancy.....	9-45
<i>Community Feedback on Teen Pregnancy.....</i>	9-45
Breastfeeding Practices.....	9-46
Birth Weights	9-47
Childhood Immunizations	9-48

TABLE OF CONTENTS

Living and Working Conditions	9-50
Overview.....	9-50
Employment and Unemployment	9-50
<i>Community Feedback on Employment and Job Satisfaction</i>	9-50
Social Economic Status.....	9-51
<i>Community Feedback on Income and Social Status</i>	9-52
Personal Resources	9-53
Overview.....	9-53
Mental Emotional Health.....	9-53
<i>Community Feedback on Mental Well-being</i>	9-53
Social Support.....	9-54
<i>Community Feedback on Social Support</i>	9-55
9.5 SUMMARY/CONCLUSION	9-56
9.6 REFERENCES	9-63

10.0 IRON ROSE HEALTH DISTRICT

10.1 GEOGRAPHICAL OVERVIEW	10-1
<i>Community Feedback On How Healthy Living Is Promoted In Their Community</i>	10-3
10.2 COMMUNITY SYSTEM CHARACTERISTICS	10-4
Overview.....	10-4
Population Demographics.....	10-4
Education as a Health Determinant	10-5
<i>Community Feedback on Schools</i>	10-6
10.3 HEALTH STATUS	10-7
Overview.....	10-7
Significant Indicators Measuring Overall Health Status.....	10-7
<i>Community Feedback on the Meaning of Health</i>	10-10
Deaths	10-11
Total Mortality Rate.....	10-11
Life Expectancy.....	10-12
Potential Years of Life Lost	10-13
Health Conditions	10-15
Cancer.....	10-15
Diabetes.....	10-16
Respiratory Diseases.....	10-17

TABLE OF CONTENTS

Hypertension.....	10-19
<i>Community Feedback On High Blood Pressure.....</i>	10-19
Heart Attacks.....	10-20
Strokes.....	10-21
Injuries.....	10-22
Human Function.....	10-23
Overview.....	10-23
Well-being.....	10-23
Overview.....	10-23
<i>Community Feedback from Youth "There 's Nothing to Do.".....</i>	10-23
10.4 DETERMINANTS OF HEALTH	10-24
Environmental Factors.....	10-25
Water	10-25
<i>Community Feedback on Water.....</i>	10-25
Air.....	10-26
Housing.....	10-26
<i>Community Feedback on Housing.....</i>	10-26
Safety.....	10-27
<i>Community Feedback on Safety.....</i>	10-28
Biology & Genetic Endowment	10-29
Overview.....	10-29
<i>Community Feedback On Biology And Genetic Endowment.....</i>	10-29
Personal Health Practices & Lifestyle	10-29
Overview.....	10-29
Dietary Practices- <i>Community Feedback on Dietary Practices.....</i>	10-30
Alcohol Consumption - <i>Community Feedback on Alcohol Use.....</i>	10-30
Physical Activity- <i>Community Feedback on Exercise.....</i>	10-31
Smoking Practices- <i>Community Feedback on Smoking.....</i>	10-32
Medication Use.....	10-33
Pharmaceutical Use.....	10-33
Number of Different Drugs	10-33
Proportion of Residents Using Antibiotics.....	10-34
Proportion of Antidepressants Use.....	10-35
<i>Community Feedback on Pharmacare</i>	10-35
Healthy Child Development.....	10-36
Overview.....	10-36
<i>Community Feedback on Youth</i>	10-36
Infant Mortality	10-36
Births.....	10-36
<i>Community Feedback on Obstetrical Practice</i>	10-37
Adolescent and Teenage Pregnancy.....	10-38
Breastfeeding Practices.....	10-39
Birth Weights.....	10-40

TABLE OF CONTENTS

Childhood Immunizations.....	10-42
<i>Community Feedback on One Year Immunizations</i>	10-44
Living and Working Conditions.....	10-45
Overview.....	10-45
Employment and Unemployment	10-45
<i>Community Feedback on Employment</i>	10-45
Social Economic Status.....	10-46
<i>Community Feedback on Income and Social Status</i>	10-47
Personal Resources.....	10-48
Overview.....	10-48
Mental Emotional Health <i>Community Feedback on Mental Well-being</i>	10-48
Social Support.....	10-49
<i>Community Feedback on Social Support</i>	10-50
10.5 SUMMARY/CONCLUSION.....	10-52
10.6 REFERENCES.....	10-58

11.0 BLUE WATER HEALTH DISTRICT

11.1 GEOGRAPHICAL OVERVIEW	11-1
<i>Community Feedback On How Healthy Living Is Promoted In Their Community</i>	11-3
11.2 COMMUNITY SYSTEM CHARACTERISTICS.....	11-5
Overview	11-5
Population Demographics.....	11-5
Education as a Health Determinant	11-6
<i>Community Feedback on Schools</i>	11-9
11.3 HEALTH STATUS	11-10
Overview.....	11-10
Significant Indicators Measuring Overall Health Status.....	11-11
<i>Community Feedback on the Meaning of Health</i>	11-13
Deaths.....	11-14
Total Mortality Rate.....	11-14
Life Expectancy.....	11-15
Potential Years of Life Lost	11-16
Health Conditions.....	11-18
Cancer.....	11-18
Diabetes.....	11-19
<i>Community Feedback on Diabetes</i>	11-20

TABLE OF CONTENTS

Respiratory Diseases.....	11-21
Hypertension.....	11-22
Heart Attacks.....	11-23
Strokes.....	11-24
Injuries.....	11-26
Human Function.....	11-26
Overview.....	11-26
Well-being.....	11-26
Overview.....	11-26
<i>Community Feedback from Youth “There ‘s Nothing to Do.”.....</i>	<i>11-26</i>
11.4 DETERMINANTS OF HEALTH	11-27
Environmental Factors.....	11-28
Overview.....	11-28
Water.....	11-28
Air We Breathe.....	11-29
<i>Community Feedback on Water & Air Quality.....</i>	<i>11-29</i>
Housing.....	11-29
<i>Community Feedback on Housing.....</i>	<i>11-30</i>
Safety	11-31
<i>Community Feedback on Traffic.....</i>	<i>11-32</i>
Biology & Genetic Endowment	11-33
Overview.....	11-33
Personal Health Practices & Lifestyle	11-33
Overview.....	11-33
Dietary Practices- <i>Community Feedback on Dietary Practices.....</i>	<i>11-34</i>
Alcohol Consumption - <i>Community Feedback on Alcohol & Illicit Drug Use.....</i>	<i>11-35</i>
Physical Activity- <i>Community Feedback on Exercise</i>	<i>11-36</i>
Smoking Practices- <i>Community Feedback on Smoking.....</i>	<i>11-37</i>
Potential Risk Taking Behaviour – <i>Community Feedback on Risk Taking Behaviour.....</i>	<i>11-38</i>
Medication Use.....	11-39
Pharmaceutical Use.....	11-39
Number of Different Drugs	11-40
Proportion of Residents Using Antibiotics.....	11-41
Proportion of Antidepressants Use.....	11-43
<i>Community Feedback on Pharmacare</i>	<i>11-43</i>
Healthy Child Development.....	11-44
Overview.....	11-44
Infant Mortality	11-44
Births.....	11-45
<i>Community Feedback on Obstetrical Practice.....</i>	<i>11-46</i>
Adolescent and Teenage Pregnancy.....	11-47
<i>Community Feedback on Teen Pregnancy.....</i>	<i>11-47</i>
Breastfeeding Practices.....	11-49
Birth Weights.....	11-52

TABLE OF CONTENTS

Childhood Immunizations.....	11-52
Living and Working Conditions.....	11-54
Overview.....	11-54
Employment and Unemployment	11-54
<i>Community Feedback on Employment.....</i>	<i>11-54</i>
Social Economic Status.....	11-55
Personal Resources.....	11-57
Overview.....	11-57
Mental Emotional Health.....	11-57
<i>Community Feedback on Mental Well-being.....</i>	<i>11-57</i>
Social Support.....	11-58
<i>Community Feedback on Social Support</i>	<i>11-58</i>
11.5 SUMMARY/CONCLUSION.....	11-60
11.6 REFERENCES.....	11-67

12.0 WINNIPEG RIVER HEALTH DISTRICT

12.1 GEOGRAPHICAL OVERVIEW.....	12-1
<i>Community Feedback On How Healthy Living Is Promoted/ Supported In Their Community..</i>	<i>12-3</i>
12.2 COMMUNITY SYSTEM CHARACTERISTICS.....	12-4
Overview	12-4
Population Demographics.....	12-4
Education as a Health Determinant	12-5
<i>Community Feedback on Schools.....</i>	<i>12-7</i>
12.3 HEALTH STATUS	12-8
Overview.....	12-8
Significant Indicators Measuring Overall Health Status.....	12-9
<i>Community Feedback on the Meaning of Health.....</i>	<i>12-11</i>
Deaths.....	12-12
Total Mortality Rate.....	12-12
Life Expectancy.....	12-13
Potential Years of Life Lost	12-14
Health Conditions.....	12-16
Cancer.....	12-16
Diabetes.....	12-17
<i>Community Feedback on Diabetes.....</i>	<i>12-17</i>

TABLE OF CONTENTS

Respiratory Diseases.....	12-18
Hypertension.....	12-19
Heart Attacks.....	12-20
Strokes.....	12-21
<i>Community Feedback on Cardiac Disease.....</i>	12-21
Injuries.....	12-22
Human Function.....	12-23
Overview.....	12-23
Well-being.....	12-23
Overview.....	12-23
<i>Community Feedback from Youth "There 's Nothing to Do.".....</i>	12-23
12.4 DETERMINANTS OF HEALTH	12-24
Environmental Factors.....	12-25
Overview.....	12-25
Water.....	12-25
Air We Breathe.....	12-26
<i>Community Feedback on Air Quality.....</i>	12-26
Housing.....	12-26
<i>Community Feedback on Housing.....</i>	12-26
Safety.....	12-28
Biology & Genetic Endowment	12-29
Overview.....	12-29
Personal Health Practices & Lifestyle	12-29
Overview.....	12-29
Dietary Practices - <i>Community Feedback on Dietary Practices.....</i>	12-30
Alcohol Consumption - <i>Community Feedback on Alcohol & Illicit Drug Use.....</i>	12-31
Physical Activity- <i>Community Feedback on Exercise.....</i>	12-32
Smoking Practices- <i>Community Feedback on Smoking.....</i>	12-33
Potential Risk Taking Behaviour - <i>Community Feedback on Risk Taking Behaviour</i>	12-33
Medication Use.....	12-34
Pharmaceutical Use.....	12-34
Number of Different Drugs	12-34
Proportion of Residents Using Antibiotics.....	12-35
Proportion of Residents Using Antidepressants.....	12-37
<i>Community Feedback on Prescriptions</i>	12-37
Healthy Child Development.....	12-38
Overview.....	12-38
<i>Community Feedback on Youth</i>	12-38
Infant Mortality	12-38
Births.....	12-39
<i>Community Feedback on Obstetrical Practice & Midwifery Service.....</i>	12-40
Adolescent and Teenage Pregnancy.....	12-41
<i>Community Feedback on Teen Pregnancy.....</i>	12-41

TABLE OF CONTENTS

Breastfeeding Practices.....	12-42
Birth Weights.....	12-43
Childhood Immunizations.....	12-45
<i>Community Feedback on Healthy Child Development.....</i>	<i>12-46</i>
Living and Working Conditions.....	12-47
Overview.....	12-47
Employment and Unemployment	12-47
<i>Community Feedback on Employment</i>	<i>12-47</i>
Social Economic Status.....	12-48
<i>Community Feedback on Low Income and Lone Parent Households.....</i>	<i>12-49</i>
Personal Resources.....	12-49
Overview.....	12-49
Mental Emotional Health.....	12-50
<i>Community Feedback on Personal Resources.....</i>	<i>12-50</i>
Social Support.....	12-51
<i>Community Feedback on Social Support</i>	<i>12-52</i>
12.5 SUMMARY/CONCLUSION.....	12-53
12.6 REFERENCES.....	12-59

13.0 NORTHERN REMOTE HEALTH DISTRICT

13.1 GEOGRAPHICAL OVERVIEW.....	13-1
13.2 COMMUNITY SYSTEM CHARACTERISTICS.....	13-3
Overview	13-3
Population Demographics.....	13-3
Education as a Health Determinant	13-5
13.3 HEALTH STATUS.....	13-6
Overview.....	13-6
Significant Indicators Measuring Overall Health Status.....	13-7
Deaths.....	13-9
Total Mortality Rate.....	13-9
Life Expectancy.....	13-10
Potential Years of Life Lost	13-11
Health Conditions.....	13-13
Cancer.....	13-13
Diabetes.....	13-14
Respiratory Diseases.....	13-15

TABLE OF CONTENTS

Hypertension.....	13-16
Heart Attacks.....	13-17
Strokes.....	13-18
Injuries.....	13-19
Human Function.....	13-20
Overview.....	13-20
Well-being.....	13-20
Overview.....	13-20
13.4 DETERMINANTS OF HEALTH	13-21
Environmental Factors.....	13-22
Water & Air Quality	13-22
Safety.....	13-23
Biology & Genetic Endowment	13-24
Overview.....	13-24
Personal Health Practices & Lifestyle	13-25
Overview.....	13-25
Medication Use.....	13-25
Pharmaceutical Use.....	13-25
Number of Different Drugs	13-26
Proportion of Residents Using Antibiotics.....	13-27
Proportion of Residents Using Antidepressants.....	13-28
Healthy Child Development.....	13-29
Overview.....	13-29
Infant Mortality Rates	13-29
Births.....	13-30
Adolescent and Teenage Pregnancy.....	13-31
Breastfeeding Practices.....	13-32
Birth Weights.....	13-33
Childhood Immunizations.....	13-36
Living and Working Conditions.....	13-38
Overview.....	13-38
Employment and Unemployment	13-38
Social Economic Status.....	13-39
Personal Resources.....	13-40
Overview.....	13-40
Mental Emotional Health.....	13-41
Social Support.....	13-41
13.5 PARTNERSHIP SUPPORT.....	13-42
13.6 SUMMARY/CONCLUSION.....	13-46
13.7 REFERENCES.....	13-52

TABLE OF CONTENTS

14.0 CONCLUSION

14.1	OVERVIEW.....	14-1
14.2	SUMMARY OF SOME REGIONAL STRENGTHS.....	14-1
14.3	SUMMARY OF SOME HEALTH DISTRICT SPECIFIC STRENGTHS.....	14-2
14.3.1	SPRINGFIELD HEALTH DISTRICT.....	14-2
14.3.2	BROKENHEAD HEALTH DISTRICT.....	14-2
14.3.3	IRON ROSE HEALTH DISTRICT.....	14-2
14.3.4	WINNIPEG RIVER HEALTH DISTRICT.....	14-3
14.3.5	BLUE WATER HEALTH DISTRICT.....	14-3
14.3.6	NORTHERN REMOTE HEALTH DISTRICT.....	14-3
14.4	COMMONLY RAISED ISSUES OR TRENDS THAT HAVE IMPLICATIONS ON HEALTH PLANNING AND DELIVERY.....	14-3
14.4.1	MANITOBA'S HEALTH PERFORMANCE MEASUREMENT FRAMEWORK.....	14-4
14.4.2	SOME SUGGESTIONS RAISED BY RESIDENTS DURING COMMUNITY CONSULTATIONS.....	14-8
14.5	FURTHER RESEARCH.....	14-9
14.6	CONCLUSION.....	14-10

TABLE OF CONTENTS

List of Tables and Figures

LIST OF TABLES

Section 5.0

Number of Table	Table Name
5.1	Provincial Survey Report Demographics
5.2	3003 Focus Group Attendance
5.3	2004 Validation Workshop Attendance

Section 6.0

Number of Table	Table Name
6.1	Communities Within NE Region's Health Districts
6.2	Population by Health Districts
6.3	Aboriginal Population 2001
6.4	2002/2003 NE Population Divided into Health Districts and FN People
6.5	Projected change in 2025 Compared with 1998
6.6	Percentage of the Population One Year Internal/ External Migration into Manitoba
6.7	Internal Migration in NE and Manitoba
6.8	Languages Spoken at Home in NE - 2001
6.9	What would you like to see in your community that would improve health?
6.10	School Attendance-Summary of NE Schools and Adult Education Centres
6.11	Lung Cancer Incidence for Males and Females 2000 & 2001
6.12	Causes of Cancer Deaths in NE
6.13	Number of Diabetes Cases
6.14	Number of Hypertension Treatment Cases in NE
6.15	Number of AMI Treatment in NE
6.16	Number of Stroke Treatment in NE
6.17	Unintentional and Intentional Injury Category ICD-9 Classification
6.18	Leading Causes of Injury Deaths in Manitoba- 1992-1999
6.19	Top Causes of Injury Deaths in NE 1992-1999
6.20	Total Unintentional Injury Deaths per 100,000- 1992-1999 in NE
6.21	Top Four Causes of Unintentional Injury Mortalities in NE
6.22	Crude Rates/100,000 of Hospitalizations due to Injuries – Males 2001
6.23	Crude Rates/100,000 of Hospitalizations due to Injuries – Females 2001
6.24	Leading Cause of Injury Hospitalizations in NE from 1992-2001

TABLE OF CONTENTS

Number of Table	Table Name
6.25	Manitoba Workplace Injury Claims, NE
6.26	Manitoba Workplace Fatal Injuries 1983-2002
6.27	Major Causes of Workplace Deaths from 1983 to 2002 in Manitoba
6.28	Crime Report Regional Total
6.29	Elderly Person's Housing in NE
6.30	Injury Deaths External Causes by Age in Manitoba [Both Sexes]- 1992-1999
6.31	Injury Deaths External Causes by Age in North Eastman [Both Sexes] – 1992-1999
6.32	Percentage of Manitoba Hospitalizations Due to Injuries – 1992-2001
6.33	Injury Hospitalizations by Age in Manitoba [Both Sexes] – 1992-1999
6.34	Injury Hospitalizations by Age in NE [Both sexes] – 1992-1999
6.35	Number of Newborns in NE
6.36	Number of Teen Pregnancies in NE
6.37	Deliveries by Adolescents and Teens in NE Aged 10-19 Years 2001-2002
6.38	Adolescent Pregnancy Rates in NE – 2001/2002
6.39	Postpartum Women Breastfeeding During Visit in NE – January to September 2003
6.40	Number of High Births in NE
6.41	Number of Low Births in NE
6.42	Number of Pre-Term Births in NE
6.43	Vaccination Schedule
6.44	Diphtheria, Acellular Pertussis, Tetanus, Polio, Haemophilus Influenza B- Under One Year
6.45	Diphtheria, Acellular Pertussis, Tetanus, Polio, Haemophilus Influenza B- Two Years
6.46	Tetanus, Diphtheria – 15 Years
6.47	Tetanus, Diphtheria – 17 Years
6.48	MMR Immunization Coverage- Two years
6.49	MMR Immunization Coverage – Seven Years
6.50	Hepatitis B Immunization Coverage
6.51	Major Occupational Groups in NE
6.52	Mode of Transportation to Work Used in NE
6.53	Percentage of all Income Held by the Lower 50% of Households
6.54	Incidence of Low Income in the Year 2000 within NE Health Districts
6.55	Marital Status in NE
6.56	Manitoba Farm Rural Stress Line NE Region Clients Served
6.57	NE Region Clients Served by Nova House
6.58	NE Region Clients Served by Crisis Stabilization Unit and by the Mobile Crisis Unit

TABLE OF CONTENTS

Section 7.0

Number of Table	Table Name
7.1	Manitoba's Health Performance Measurement Framework
7.2	NE Medical Utilization Rates and Costs of Services for Males and Females 2001/02
7.3	Top Three Suggestions Identified by NEHA Staff
7.4	Staff Turnover Rate
7.5	Areas of the Body Injured Most Frequently
7.6	Top Three Causes of Injury
7.7	Percentage of funding Allocated to Acute and Community Programs
7.8	RHA Budget & Administration Costs
7.9	Position Vacancy Rate by Percentage from April to December 2003
7.10	Percentage of Budget Spent on IT Support
7.11	Top Ten Reasons Why NE Residents See a GP/FP or Specialist
7.12	Location of Visits to General Practitioner/Family Practitioner by Health District
7.13	Regional Location of Specialists
7.14	Location of Visits to Specialists by Health District

Section 8.0

Number of Table	Table Name
8.1	Percentage of Population with Less than a High School Education by Years
8.2	Sunrise School Division – Springfield District
8.3	Elderly Person's Housing in Springfield Health District
8.4	Crime Report in Springfield Health District
8.5	Number of Newborns in Springfield
8.6	Parentage of Population 15 Years and Over Employed and Unemployed – Males/Females
8.7	Median Family Income of Couple Families
8.8	Median Family Income of Lone Parents – Males and Females
8.9	Median Family Income of Lone Parent Families Male & Female for NE
8.10	Total Number of Couple Families by Family Structure/ Total Lone Parent Families

TABLE OF CONTENTS

Section 9.0

Number of Table	Table Name
9.1	Population Demographics Brokenhead
9.2	Percentage of Population with Less than a High School Education by Years
9.3	Sunrise School Division – Brokenhead Health District
9.4	Elderly Person's Housing in Brokenhead Health District
9.5	Crime Report in Brokenhead Health District
9.6	Number of Newborns in Brokenhead
9.7	Parentage of Population 15 Years and Over Employed and Unemployed – Males/Females
9.8	Median Family Income of Couple Families
9.9	Median Family Income of Lone Parents – Males and Females
9.10	Median Family Income of Lone Parent Families Male & Female for NE
9.11	Total Number of Couple Families by Family Structure/ Total Lone Parent Families

Section 10.0

Number of Table	Table Name
10.1	Percentage of Population with Less than a High School Education by Years
10.2	Sunrise School Division – Iron Rose Health District
10.3	Elderly Person's Housing in Iron Rose Health District
10.4	Crime Report in Iron Rose Health District
10.5	Number of Newborns in Iron Rose
10.6	Parentage of Population 15 Years and Over Employed and Unemployed – Males/Females
10.7	Median Family Income of Couple Families
10.8	Median Family Income of Lone Parents – Males and Females
10.9	Median Family Income of Lone Parent Families Male & Female for NE
10.10	Total Number of Couple Families by Family Structure/ Total Lone Parent Families

Section 11.0

Number of Table	Table Name
11.1	Percentage of Population with Less than a High School Education by Years
11.2	Sunrise School Division – Blue Water Health District
11.3	Pine Falls School division- Blue Water Health District
11.4	Frontier School Division – Blue Water Health District
11.5	Elderly Person's Housing in Blue Water Health District
11.6	Crime Report in Blue Water Health District
11.7	Number of Newborns in Blue Water
11.8	Parentage of Population 15 Years and Over Employed and Unemployed – Males/Females
11.9	Median Family Income of Couple Families

TABLE OF CONTENTS

Number of Table	Table Name
11.10	Median Family Income of Lone Parents – Males and Females
11.11	Median Family Income of Lone Parent Families Male & Female for NE
11.12	Total Number of Couple Families by Family Structure/ Total Lone Parent Families

Section 12.0

Number of Table	Table Name
12.1	Percentage of Population with Less than a High School Education by Years
12.2	Sunrise School Division – Schools in Winnipeg River Health District
12.3	Whiteshell School division – Schools in Winnipeg River Health District
12.4	Elderly Person's Housing in Winnipeg River Health District
12.5	Crime Report in Winnipeg River Health District
12.6	Number of Newborns in Winnipeg River
12.7	Parentage of Population 15 Years and Over Employed and Unemployed – Males/Females
12.8	Median Family Income of Couple Families
12.9	Median Family Income of Lone Parents – Males and Females
12.10	Median Family Income of Lone Parent Families Male & Female for NE
12.11	Total Number of Couple Families by Family Structure/ Total Lone Parent Families

Section 13.0

Number of Table	Table Name
13.1	Population 2001 to 2003 by Health District
13.2	2002/2003 Northern Remote Health District Divided into Non First Nations and FN People
13.3	Frontier School Division, Northern Remote Health District
13.4	Crime Report in Northern Remote Health District
13.5	Number of Newborns in Northern Remote
13.6	Parentage of Population 15 Years and Over Employed and Unemployed – Males/Females
13.7	Median Family Income
13.8	Median Family Income of Lone Parents – Males and Females
13.9	Median Family Income of Lone Parent Families Male & Female for NE
13.10	Total Number of Couple Families by Family Structure/ Total Lone Parent Families

TABLE OF CONTENTS

LIST OF FIGURES

Section 4.0

Number of Figure	Figure Name
4.1	CHA Assessment
4.2	2003-2004 CHA Structure
4.3	CHA Consultation
4.4	Manitoba's Health Performance Measurement Framework
4.5	Manitoba's Health Performance Measurement Framework Categories
4.6	Population Health Model Framework

Section 5.0

Number of Figure	Figure Name
5.1	Age of Respondents in Acumen Survey

Section 6.0

Number of Figure	Figure Name
6.1	NE Health Districts Map
6.2	NE Population Pyramid 2001/02
6.3	Manitoba Population Pyramid 2001/02
6.4	Population and Project Growth NE Region
6.5	Percentage of Population with Less Than a High School Graduation Certificate in NE
6.6	Percentage of Population with a High School graduation certificate and/or some Post Secondary
6.7	Percentage of Population With a College Certificate or Diploma
6.8	Percentage of Population With a University Certificate, Diploma or Degree
6.9	Social Economic Factor Index in NE
6.10	Social Economic Factor Index in NE Health Districts
6.11	Premature Mortality Rate in NE
6.12	Premature Mortality Rate by Health District
6.13	Life Expectancy NE
6.14	Total Mortality Rates in NE
6.15	Mortality Rates NE Health Districts
6.16	Potential Years of Life Lost All Causes both Males and Females
6.17	Potential Years of Life Lost Males and Females Separately

TABLE OF CONTENTS

Number of Figure	Figure Name
6.18	Average PYLL in NE for Deaths due to Circulatory, Cancer, Respiratory, Unintentional Injuries, and Suicide.
6.19	Causes of Death From all Causes in Manitoba 2001
6.20	Leading Cause of Deaths NE Males/Females 1992-2001
6.21	New Cancer Rates
6.22	Cancer Incidents NE compared with Manitoba
6.23	NE Common Cancer Sites 1992-2001
6.24	Number of NE Residents with Arthritis & Rheumatism.
6.25	Projected Prevalence of Diabetes in Manitoba 1995 to 2025
6.26	Diabetes Treatment Prevalence in NE
6.27	Economic Cost of Diabetes
6.28	Projected Costs of Selected Health Care Services Among Persons with Diabetes in Manitoba
6.29	Asthma Prevalence
6.30	Asthma Diagnosis
6.31	Total Respiratory Morbidity
6.32	Hypertension Treatment Prevalence in NE
6.33	Acute Myocardial Infarction Treatment
6.34	Stroke Treatment in NE
6.35	Injury Mortality Rates NE Region
6.36	PYLL Due to Unintentional Injuries
6.37	PYLL Due to Suicide in NE
6.38	Number of Hospitalizations Due to Injuries
6.39	Workplace Injury Rate Resulting in Hospitalization in NE
6.40	Functional Health in NE Over 12 Years
6.41	Self – Rated Health in NE
6.42	Percentage of Households with Unaffordable Housing NE
6.43	Self Reported BMI in NE
6.44	Influenza Immunizations in NE Over 65 Years
6.45	NEHA Public Health Influenza Clinic Coverage
6.46	Pneumococcal Cumulative Immunization Coverage in NE
6.47	Self Reported Drinkers in NE
6.48	Alcohol Foundation of Manitoba Youth Services in NE
6.49	Adults in Alcohol Foundation of Manitoba Program in NE
6.50	Self Reported Leisure Time Physical Activity
6.51	Self Reported Smokers in NE
6.52	Proportion of Residents With at Least One Prescription
6.53	Average Number of Different Drugs per User in NE
6.54	Percentage of all Residents Receiving at Least One Prescription for antibiotics in NE
6.55	Average Number of Antibiotics Prescribed
6.56	Proportion of Residents Using Antidepressants
6.57	Infant Mortality Rates < One Year- NE Region
6.58	Infant Mortality Rates < One Year – NE Health Districts

TABLE OF CONTENTS

Number of Figure	Figure Name
6.59	Number of Births at Pine Falls Health Complex
6.60	Teen Pregnancy Rate in NE Region
6.61	Breastfeeding Initiation Rates in NE
6.62	Breastfeeding Initiation Rates in NE Health Districts
6.63	Percentage of High Birth Weight Babies in NE
6.64	Low Birth Weight Births in NE
6.65	Percentage of Pre-Term Babies in NE
6.66	Percentage of Children Immunized in NE
6.67	Unemployment Rate 15 Years and Older in NE
6.68	Youth Unemployment 15-24 Years in NE
6.69	Average and Median Household Income
6.70	Median Income of Individuals - 2000
6.71	Self Reported Levels of Chronic Stress in NE
6.72	Percentage of Households with Children Headed by Single Parents

Section 7.0

Number of Figure	Figure Name
7.1	Human Resources Profile
7.2	Use of Alternative Health Care
7.3	NEHA funding Allocation
7.4	North Eastman Health Association Inc. Organizational Chart
7.5	Number of Reported Accidents
7.6	NEHA Staff Immunized by Program for Influenza 2003
7.7	Staff Influenza Immunizations Increase
7.8	Contact With Health Professionals
7.9	NE Residents With At Least One Ambulatory Visit to a Physician
7.10	NE Health District Residents With at Least One Ambulatory Visit to a Physician
7.11	Regional Adjusted Annual Average Number of Visits per Resident to See a Physician
7.12	Health District Adjusted Annual Average Number of Visits per Resident to See a Physician
7.13	Regional Adjusted Average Ambulatory Consultation Rates to Physicians
7.14	Health District Adjusted Average Ambulatory Consultation Rates to Physicians by Health District
7.15	NE Regional Percentage of Total Ambulatory Visits Provided by General & Family Practitioners
7.16	Health District Regional Percentage of Total Ambulatory Visits Provided by General & Family Practitioners
7.17	Location of Visits to General Practitioner/Family Practitioner by NE Residents
7.18	Regional Emergency Room Visits
7.19	Number of Acute Care Admissions

TABLE OF CONTENTS

Number of Figure	Figure Name
7.20	Cardiac Catheterizations in NE
7.21	Cardiac Catheterizations in NE Health Districts
7.22	Cataract Surgery in NE
7.23	Cataract Surgery by Health District
7.24	CT Scans in NE
7.25	CT Scans in NE Health Districts
7.26	NE Ambulatory Care Sensitive Conditions
7.27	Hospital Separation Rates in NE
7.28	NE – Day Surgeries by Surgical Procedure as Percentage of total Surgeries
7.29	Dialysis Visits
7.30	Number of Pneumococcal Vaccines Given to LTC Residents
7.31	Number of Influenza Vaccines Given in LTC Facilities
7.32	Total Number of Residents Receiving Influenza Vaccines in LTC
7.33	PCH Admissions
7.34	PCH Respite Admissions
7.35	New Home Care Cases Opened
7.36	Open Home Care Cases in NE
7.37	Closing Home Care Cases in NE
7.38	Average Length of Time for Home Care
7.39	Mental Health Case Files Opened in NEHA
7.40	NEHA Mental Health Case Files - Active
7.41	NEHA Ambulance Trips
7.42	Influenza Immunization Coverage
7.43	Public Health Consultation – Waiting Times During 2003 Flu Clinic
7.44	Public Health Survey – How Did You Learn About the Flu Clinic?
7.45	How was the Service?
7.46	Breast Screening Rates – NE Region
7.47	Breast Cancer Screening – NE Health Districts
7.48	Cervical Screening Rates - NE Region
7.49	Cervical Screening Rates - NE Health District

Section 8.0

Number of Figure	Figure Name
8.1	Age Profile of Springfield – 1995 & 2000
8.2	SEFI Value by Health District 1991 & 1996
8.3	Premature Mortality Rate NE Health District
8.4	Total Mortality Rate of Deaths in NE Health Districts
8.5	Life Expectancy – NE Health Districts for Males and Females
8.6	Potential Years of Life Lost for Males and Females – NE Health Districts
8.7	Potential Years of Life Lost Males & Females Separately
8.8	New Cancer Rates NE Health Districts

TABLE OF CONTENTS

Number of Figure	Figure Name
8.9	Diabetes Treatment Prevalence in NE Health Districts
8.10	Asthma Prevalence
8.11	Residents Treated for Respiratory Disease
8.12	Hypertension Treatment Prevalence
8.13	Acute Myocardial Infarctions or Heart attack Rates of Hospitalization
8.14	Stroke Treatment Prevalence in Hospital
8.15	Injury Hospitalization Rates in NE Health Districts
8.16	Pharmaceutical Use in Springfield
8.17	Average Number of Different Drugs Prescribed in NE Health Districts
8.18	Percentage of Residents Receiving at Least One Prescription for an Antibiotic
8.19	Average Number of Antibiotic Prescriptions Dispensed
8.20	Proportion of Residents Using Antidepressants
8.21	Teenage Pregnancy Rates
8.22	Breast Feeding
8.23	High Birth Weights
8.24	Low Birth Weights
8.25	Pre-Term Births
8.26	Completed Immunizations at One Year
8.27	Completed Immunizations at Two Years
8.28	Completed Immunizations at Seven Years

Section 9.0

Number of Figure	Figure Name
9.1	Age Profile of Brokenhead – 1995 & 2000
9.2	SEFI Value by Health District 1991 & 1996
9.3	Premature Mortality Rate NE Health District
9.4	Total Mortality Rate
9.5	Life Expectancy – NE Health Districts
9.6	Potential Years of Life Lost – NE Health Districts
9.7	Potential Years of Life Lost Males & Females Separately
9.8	New Cancer Rates NE Health Districts
9.9	Diabetes Treatment Prevalence
9.10	Asthma Prevalence
9.11	Residents Treated for Respiratory Disease
9.12	Hypertension Treatment Prevalence NE Health Districts
9.13	Acute Myocardial Infarctions or Heart attack Rates of Hospitalization
9.14	Stroke Treatment Prevalence in NE Health Districts
9.15	Injury Hospitalization Rates in NE Health Districts
9.16	Proportion of Residents with at Least One Prescription
9.17	Number of Different Drugs
9.18	Percentage of Residents Being Prescribed an Antibiotic

TABLE OF CONTENTS

Number of Figure	Figure Name
9.19	Number of Antibiotics Prescribed
9.20	Proportion of Residents Using Antidepressants
9.21	Teenage Pregnancy Rates
9.22	Breast Feeding Initiation Rates in NE Health Districts
9.23	High Birth Weights
9.24	Low Birth Weights
9.25	Pre-Term Births
9.26	Completed Immunizations at One Year
9.27	Completed Immunizations at Two Years
9.28	Completed Immunizations at Seven Years

Section 10.0

Number of Figure	Figure Name
10.1	Age Profile of Iron Rose – 1995 & 2000
10.2	SEFI Value by Health District 1991 & 1996
10.3	Premature Mortality Rate NE Health District
10.4	Total Mortality Rate
10.5	Life Expectancy – NE Health Districts
10.6	Potential Years of Life Lost – NE Health Districts
10.7	Potential Years of Life Lost Males & Females Separately
10.8	New Cancer Rates NE Health Districts
10.9	Diabetes Treatment Prevalence
10.10	Asthma Prevalence
10.11	Residents Treated for Respiratory Disease
10.12	Hypertension Treatment Prevalence NE Health Districts
10.13	Acute Myocardial Infarctions or Heart Attack Rates of Hospitalization
10.14	Stroke Treatment Prevalence in NE Health Districts
10.15	Injury Hospitalization Rates in NE Health Districts
10.16	Proportion of Residents with at Least One Prescription
10.17	Average Number of Different Drugs
10.18	Percentage of Residents Receiving at Least One Prescription Antibiotic
10.19	Average Number of Antibiotics Prescribed
10.20	Proportion of Residents Using Antidepressants
10.21	Teenage Pregnancy Rates
10.22	Breast Feeding Initiation Rates in NE Health Districts
10.23	High Birth Weights
10.24	Low Birth Weights
10.25	Pre-Term Births
10.26	Completed Immunizations at One Year
10.27	Completed Immunizations at Two Years
10.28	Completed Immunizations at Seven Years

TABLE OF CONTENTS

Section 11.0

Number of Figure	Figure Name
11.1	Age Profile of Blue Water – 1995 & 2000
11.2	SEFI Value NE Health District 1991 & 1996
11.3	Premature Mortality Rate NE Health District
11.4	Total Mortality Rates in NE Health Districts
11.5	Life Expectancy – NE Health Districts
11.6	Potential Years of Life Lost – NE Health Districts
11.7	Potential Years of Life Lost Males & Females Separately
11.8	New Cancer Rates
11.9	Diabetes Prevalence Rate – NE Health Districts Treatment Prevalence
11.10	Asthma Prevalence
11.11	Residents Treated for Respiratory Disease
11.12	Hypertension Treatment Prevalence NE Health Districts
11.13	Acute Myocardial Infarctions or Heart Attack Rates of Hospitalization
11.14	Stroke Treatment Prevalence in Hospital
11.15	Injury Hospitalization Rates in NE Health Districts
11.16	Proportion of Residents with at Least One Prescription
11.17	Average Number of Different Drugs Prescribed
11.18	Percentage of Residents Receiving at Least One Prescription Antibiotic
11.19	Average Number of Antibiotics Prescribed
11.20	Proportion of Residents Using Antidepressants
11.21	Infant Mortality Rate NE Health Districts
11.22	Teenage Pregnancy Rates
11.23	Breast Feeding Initiation Rates in NE Health Districts
11.24	High Birth Weights
11.25	Low Birth Weights
11.26	Pre-Term Births
11.27	Completed Immunizations at One Year
11.28	Completed Immunizations at Two Years
11.29	Completed Immunizations at Seven Years

TABLE OF CONTENTS

Section 12.0

Number of Figure	Figure Name
12.1	Age Profile of Winnipeg River – 1995 & 2000
12.2	Social Economic Factor Index in NE Health District 1991 & 1996
12.3	Premature Mortality Rate NE Health District
12.4	Total Mortality Rates in NE Health Districts
12.5	Life Expectancy – NE Health Districts
12.6	Potential Years of Life Lost – NE Health Districts
12.7	Potential Years of Life Lost Males & Females Separately
12.8	New Cancer Rates
12.9	Diabetes Treatment Prevalence in NE Health Districts
12.10	Asthma Prevalence
12.11	Residents Treated for Respiratory Disease
12.12	Hypertension Treatment Prevalence NE Health Districts
12.13	Acute Myocardial Infarctions or Heart Attack Rates of Hospitalization
12.14	Stroke Treatment Prevalence in Hospital I NE Health Districts
12.15	Injury Hospitalization Rates in NE Health Districts
12.16	Proportion of Residents with at Least One Prescription
12.17	Average Number of Different Drugs Prescribed
12.18	Percentage of Residents Receiving at Least One Prescription for Antibiotic
12.19	Average Number of Antibiotics Prescribed
12.20	Proportion of Residents Using Antidepressants
12.21	Teenage Pregnancy Rates
12.22	Breast Feeding Initiation Rates in NE Health Districts
12.23	High Birth Weights
12.24	Low Birth Weights
12.25	Pre-Term Births
12.26	Completed Immunizations at One Year
12.27	Completed Immunizations at Two Years
12.28	Completed Immunizations at Seven Years

Section 13.0

Number of Figure	Figure Name
13.1	Age Profile of Northern Remote – 1995 & 2000
13.2	Social Economic Factor Index 1991 & 1996
13.3	Premature Mortality Rate
13.4	Total Mortality Rates in NE Health Districts
13.5	Life Expectancy – NE Health Districts
13.6	Potential Years of Life Lost – NE Health Districts
13.7	Potential Years of Life Lost Males & Females Separately

TABLE OF CONTENTS

Number of Figure	Figure Name
13.8	New Cancer Rates
13.9	Diabetes Treatment Prevalence NE Health Districts
13.10	Asthma Prevalence
13.11	Residents Treated for Respiratory Disease
13.12	Hypertension Treatment Prevalence NE Health Districts
13.13	Acute Myocardial Infarctions or Heart Attack Rates of Hospitalization
13.14	Stroke Treatment Prevalence NE Health Districts
13.15	Injury Hospitalization Rates in NE Health Districts
13.16	Proportion of Residents with at Least One Prescription
13.17	Average Number of Different Drugs Prescribed NE Health Districts
13.18	Percentage of Residents Receiving at Least One Prescription Antibiotic NE Health Districts
13.19	Number of Antibiotics Prescribed
13.20	Proportion of Residents Using Antidepressants
13.21	Infant Mortality Rate NE Health Districts
13.22	Teenage Pregnancy Rates
13.23	Breast Feeding Initiation Rates in NE Health Districts
13.24	High Birth Weights
13.25	Low Birth Weights
13.26	Pre-Term Births
13.27	Completed Immunizations at One Year
13.28	Completed Immunizations at Year Two
13.29	Completed Immunizations at Year Seven