

CHAPTER ONE: INTRODUCTION	1
STUDY BACKGROUND	1
STUDY GOALS AND OBJECTIVES.....	1
INTENDED AUDIENCE.....	2
SCOPE AND FORMAT	2
METHODOLOGY AND INFORMATION SOURCES.....	3
ANALYST CREDENTIALS.....	3
RELATED BCC RESEARCH	4
BCC ON-LINE SERVICES.....	4
DISCLAIMER	5
 CHAPTER TWO: EXECUTIVE SUMMARY.....	 6
<i>SUMMARY TABLE GLOBAL SALES OF HOME MEDICAL</i>	
<i>EQUIPMENT, THROUGH 2016 (\$ MILLIONS)</i>	6
<i>SUMMARY FIGURE HOME MEDICAL EQUIPMENT SHARES BY</i>	
<i>REGION, 2010–2016 (%)</i>	7
 CHAPTER THREE: OVERVIEW	 8
GENERAL DESCRIPTION.....	8
DEFINITIONS	8
PRODUCT SEGMENTS.....	8
ASSISTIVE DEVICES	9
Wheelchairs and Scooters	9
Wheelchairs.....	9
Scooters	10
Home Care Beds	11
INFUSION PRODUCTS.....	11
Insulin Pumps.....	12
RESPIRATORY THERAPY PRODUCTS	12
Inhalers.....	12
Metered Dose Inhalers.....	13
Dry Powder Inhalers.....	13
Nebulizers	13
Oxygen Concentrators	14
Gaseous Oxygen System	14
Continuous Positive Airway Pressure (CPAP) Devices	15
Home Ventilators.....	16
Suction Machines.....	16
DIALYSIS EQUIPMENT.....	17
Hemodialysis.....	17
Dialysis Machine	18
Peritoneal Dialysis	18
CCPD Cyclers	18
HOME DEFIBRILLATORS.....	19

MONITORS AND SENSORS	20
Blood Pressure Monitors	20
Aneroid Monitors	21
Digital Blood Pressure Monitors	21
Peak Flow Meters	22
Glucose Monitors	22
Glucose Monitors (Continued)	23
Apnea and SIDS Monitors.....	24
Cholesterol Monitors	25
Fetal Monitors	26
Home Cardiac Monitors	26
New Home Monitoring Technologies	27
Embedded Monitors	27
Elderly Walkers	27
Wearable Monitors.....	28
Wearable Monitors (Continued).....	29
TELEMETRY DEVICES.....	30
Telehomecare	30
Mobile Phone-Based Technologies	30
Bluetooth	31
ZigBee.....	31
Signal Transmission via Human Skin.....	32
MISCELLANEOUS TYPES OF HME	33
Lymphedema Pumps	33
HEALTH CONDITIONS THAT AFFECT THE MARKET FOR HME	33
MOBILITY IMPAIRMENTS	34
Types of Mobility Impairment	34
Paralysis.....	34
Arthritis.....	34
Osteoporosis	35
Age-Related Loss of Strength/Balance/Coordination	35
Surgical Recovery and Rehabilitation.....	35
Neuromuscular Disorders.....	36
HME Used to Increase Mobility.....	36
Prevalence of Mobility Impairments.....	36
<i>FIGURE 1 LEADING CONDITIONS ASSOCIATED WITH</i> <i>WHEELCHAIR/SCOOTER USE (PERCENTAGE OF TOTAL</i> <i>WHEELCHAIR USERS)</i>	<i>37</i>
<i>FIGURE 1 (CONTINUED)</i>	<i>38</i>
<i>TABLE 1 GLOBAL PREVALENCE OF MOTION IMPAIRMENTS</i> <i>REQUIRING THE USE OF A WHEELCHAIR OR SCOOTER,</i> <i>THROUGH 2016 (MILLION PEOPLE).....</i>	<i>38</i>
<i>TABLE 1 (CONTINUED).....</i>	<i>39</i>

<i>TABLE 2 TRENDS IN PREVALENCE OF MOTION IMPAIRMENTS REQUIRING A WHEELCHAIR OR SCOOTER, BY GEOGRAPHICAL MARKET, THROUGH 2016 (MILLION PEOPLE).....</i>	<i>40</i>
OBESITY	40
HME Used in the Management of Obesity.....	41
Prevalence of Obesity	41
<i>TABLE 3 OBESITY LEVELS IN SELECTED COUNTRIES (% OF ADULT POPULATION)</i>	<i>41</i>
<i>TABLE 3 (CONTINUED).....</i>	<i>42</i>
HYPERTENSION	42
Types of HME Used in Treatment of Hypertension.....	42
Prevalence of Hypertension	43
<i>TABLE 4 TRENDS IN PREVALENCE OF HYPERTENSION, THROUGH 2016 (MILLION CASES)</i>	<i>43</i>
<i>TABLE 4 (CONTINUED).....</i>	<i>44</i>
CARDIOVASCULAR DISEASE	44
Arrhythmia	44
Tachyarrhythmia	44
Brachycardia	45
HME Used in the Treatment of Arrhythmia.....	46
Prevalence of Arrhythmia	46
<i>TABLE 5 TRENDS IN PREVALENCE OF ARRHYTHMIA, THROUGH 2016 (MILLION CASES).....</i>	<i>47</i>
DIABETES	47
Types of Diabetes.....	48
HME Used to Treat Diabetes.....	48
Prevalence of Diabetes and Future Trends	48
<i>TABLE 6 TRENDS IN PREVALENCE OF DIABETES, THROUGH 2016 (MILLION CASES).....</i>	<i>49</i>
<i>TABLE 6 (CONTINUED).....</i>	<i>50</i>
HIGH CHOLESTEROL	50
HME Used in the Management of High Cholesterol Levels.....	50
Prevalence of High Cholesterol Levels	50
SLEEP DISORDERS	51
Types of Sleep Disorders	51
HME Used in Connection with Sleep Disorders.....	51
HME Used in the Treatment or Management of Sleep Disorders.....	52
Prevalence of Sleep Disorders and Future Trends.....	52
FETAL DISORDERS	53
HME Used in the Treatment or Management of Fetal Disorders.....	53
Prevalence of Fetal Disorders and Future Trends.....	53

<i>FIGURE 2 MISCARRIAGES AND STILLBIRTHS IN THE U.S., 2010 (% OF TOTAL CONFIRMED PREGNANCIES)</i>	54
<i>ASTHMA</i>	55
HME Used in the Treatment or Management of Asthma	55
Prevalence of Asthma and Future Trends.....	55
<i>TABLE 7 TRENDS IN THE PREVALENCE OF ASTHMA, THROUGH 2016 (MILLION CASES)</i>	56
<i>CHRONIC OBSTRUCTIVE PULMONARY DISEASE</i>	56
HME Used in the Treatment or Management of COPD.....	57
Prevalence of COPD and Future Trends	57
<i>KIDNEY FAILURE</i>	57
HME Used in the Treatment of Kidney Failure	58
Prevalence of Kidney Failure and Future Trends.....	58
<i>TABLE 8 TRENDS IN DIALYSIS PATIENT POPULATION, THROUGH 2016 (THOUSAND PEOPLE)</i>	59
<i>FIGURE 3 GLOBAL DIALYSIS PATIENT POPULATION TREND, 2010–2016 (MILLION PATIENTS)</i>	60
<i>LYPHHEDEMA</i>	61
Types of Lymphedema.....	61
Primary Lymphedema	61
Secondary Lymphedema.....	61
HME Used in the Management of Lymphedema.....	61
Prevalence of Lymphedema	62
<i>DEMOGRAPHICS AND ECONOMICS</i>	62
TOTAL POPULATION	62
<i>TABLE 9 TRENDS IN TOTAL POPULATION, BY COUNTRY, THROUGH 2016 (MILLION PEOPLE)</i>	62
<i>TABLE 9 (CONTINUED)</i>	63
<i>FIGURE 4 GLOBAL POPULATION TRENDS, 2010–2016 (MILLION PEOPLE)</i>	63
<i>ELDERLY PEOPLE</i>	64
<i>TABLE 10 TRENDS IN POPULATION OF PEOPLE AGE 65 YEARS AND OLDER, BY COUNTRY, THROUGH 2016 (MILLION PEOPLE)</i>	64
<i>TABLE 10 (CONTINUED)</i>	65
<i>FIGURE 5 TRENDS IN THE GLOBAL POPULATION AGE 65 YEARS AND OLDER, 2010–2016 (MILLION PEOPLE)</i>	65
<i>OLDER PEOPLE LIVING IN THEIR OWN HOMES OR WITH CHILDREN</i>	66
<i>FIGURE 6 PERCENTAGE OF PEOPLE AGE 65 AND OLDER LIVING IN THEIR OWN HOMES OR WITH CHILDREN BY COUNTRY, 2002 (%)</i>	66
<i>FIGURE 6 (CONTINUED)</i>	67
<i>FIGURE 7 TRENDS IN THE PERCENTAGE OF AMERICANS 65 AND OLDER REMAINING IN THEIR HOMES, 1985-2009 (%)</i>	68

HOUSEHOLD INCOME.....	69
<i>FIGURE 8 TRENDS IN THE MEDIAN INCOME OF U.S. ELDERLY HOUSEHOLDS, 2003–2009 (\$ THOUSANDS)</i>	69
<i>FIGURE 9 DISTRIBUTION OF U.S. ELDERLY HOUSEHOLDS BY INCOME LEVEL, 2000 AND 2008 (% OF TOTAL ELDERLY HOUSEHOLDS)</i>	70
EXPENDITURES ON HOME HEALTH CARE	71
<i>FIGURE 10 TRENDS IN U.S. EXPENDITURES ON HOME HEALTH CARE, 2002–2010 (\$ BILLIONS)</i>	71
OTHER FACTORS DRIVING THE HME MARKET	72
PHYSICIAN ATTITUDES TOWARD HOME CARE	72
<i>FIGURE 11 TREND IN THE NUMBER OF MEDICARE-PAID PHYSICIAN HOUSE CALLS, 2000 AND 2010 (MILLION HOUSE CALLS)</i>	72
HOSPITAL/NURSING HOME COSTS.....	73
<i>FIGURE 12 TRENDS IN U.S. HOSPITAL AND NURSING HOME COSTS, 2000–2010 (\$)</i>	73
<i>FIGURE 12 (CONTINUED)</i>	74
REGULATORY AND LEGISLATIVE ISSUES	74
U.S.....	74
New Devices	75
New Devices (Continued).....	76
Existing Devices.....	77
European Union.....	78
European Union (Continued)	79
Japan.....	80
HEALTH INSURANCE	81
U.S.....	81
Medicare and Medicaid.....	81
Types of HME Covered	81
Recent Legislation.....	82
Medicare Prescription Drug, Improvement and Modernization Act of 2003	82
Changes in Reimbursement	83
Competitive Bidding	83
Accreditation Requirement	83
Deficit Reduction Act of 2005	84
Challenges	84
Medicare Improvements for Patients and Providers Act of 2008	85
Reimbursement for Home Dialysis	85
Patient Protection and Affordable Health Care Act.....	86

Patient ... (Continued).....	87
Other Countries	88
<i>FIGURE 13 PER CAPITA EXPENDITURES ON HME, 2010 (\$)</i>	88
<i>FIGURE 13 (CONTINUED)</i>	89
CHAPTER FOUR: GLOBAL HME MARKETS	90
SUMMARY.....	90
GLOBAL MARKET TRENDS	90
<i>TABLE 11 GLOBAL HME SALES BY TYPE OF EQUIPMENT,</i> <i>THROUGH 2016 (\$ MILLIONS)</i>	90
<i>FIGURE 14 TRENDS IN THE GLOBAL HME MARKET, 2010–2016 (\$</i> <i>BILLIONS)</i>	91
MARKET BY HME SEGMENT.....	91
<i>FIGURE 15 HME MARKET BY TYPE OF HME, 2010 AND 2016 (%)</i>	92
<i>FIGURE 15 (CONTINUED)</i>	93
MARKET BY DISEASE/CONDITION TREATED	93
<i>TABLE 12 HME MARKET BY TYPE OF DISEASE/CONDITION</i> <i>TREATED, THROUGH 2016 (\$ MILLIONS)</i>	94
<i>FIGURE 16 HME MARKET BY TYPE OF DISEASE/CONDITION</i> <i>TREATED, 2010 AND 2016 (%)</i>	94
<i>FIGURE 16 (CONTINUED)</i>	95
MARKET BY GEOGRAPHICAL SEGMENT	96
<i>TABLE 13 MAJOR GEOGRAPHICAL MARKETS FOR HME, THROUGH</i> <i>2016 (\$ MILLIONS)</i>	96
<i>FIGURE 17 HME MARKET BY REGION, 2010 AND 2016 (%)</i>	97
Market by Geographical ... (Continued).....	98
CHAPTER FIVE: THE NORTH AMERICAN MARKET.....	99
SUMMARY.....	99
<i>TABLE 14 NORTH AMERICAN MARKETS FOR HME BY COUNTRY,</i> <i>THROUGH 2016 (\$ MILLIONS)</i>	99
<i>TABLE 15 NORTH AMERICAN MARKETS FOR HME BY TYPE OF</i> <i>DEVICE, THROUGH 2016 (\$ MILLIONS)</i>	100
ASSISTIVE DEVICES.....	100
<i>TABLE 16 NORTH AMERICAN MARKETS FOR ASSISTIVE DEVICES,</i> <i>THROUGH 2016 (\$ MILLIONS)</i>	100
WHEELCHAIRS AND SCOOTERS.....	100
<i>TABLE 17 NORTH AMERICAN MARKETS FOR WHEELCHAIRS AND</i> <i>SCOOTERS, THROUGH 2016 (\$ MILLIONS)</i>	101
<i>FIGURE 18 U.S. WHEELCHAIR AND SCOOTER MARKET, 2010</i> <i>(PERCENT OF TOTAL SALES)</i>	102
HOME CARE BEDS	102
<i>TABLE 18 NORTH AMERICAN MARKETS FOR HOME CARE BEDS,</i> <i>THROUGH 2016 (\$ MILLIONS)</i>	103
INFUSION PRODUCTS.....	103

<i>TABLE 19 NORTH AMERICAN MARKETS FOR INSULIN PUMPS, THROUGH 2016 (\$ MILLIONS)</i>	103
RESPIRATORY THERAPY PRODUCTS	104
<i>TABLE 20 NORTH AMERICAN MARKETS FOR RESPIRATORY THERAPY PRODUCTS BY COUNTRY, THROUGH 2016 (\$ MILLIONS)</i>	104
<i>TABLE 21 NORTH AMERICAN MARKETS FOR RESPIRATORY THERAPY PRODUCTS BY TYPES OF PRODUCT, THROUGH 2016 (\$ MILLIONS)</i>	105
CPAP AND OTHER POSITIVE AIRWAY PRESSURE DEVICES.....	105
<i>TABLE 22 NORTH AMERICAN POSITIVE AIR PRESSURE DEVICES MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	106
VENTILATORS.....	106
<i>TABLE 23 NORTH AMERICAN HOME VENTILATOR MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	106
NEBULIZERS	107
<i>TABLE 24 NORTH AMERICAN NEBULIZER MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	107
OXYGEN CONCENTRATORS.....	108
<i>TABLE 25 NORTH AMERICAN HOME OXYGEN CONCENTRATOR MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	108
GASEOUS OXYGEN SYSTEMS.....	108
<i>TABLE 26 NORTH AMERICAN MARKETS FOR HOME GASEOUS OXYGEN SYSTEMS, THROUGH 2016 (\$ MILLIONS)</i>	109
AIRWAY SUCTION MACHINES	109
<i>TABLE 27 NORTH AMERICAN HOME SUCTION MACHINE MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	109
DIALYSIS EQUIPMENT	110
<i>TABLE 28 NORTH AMERICAN HOME DIALYSIS MACHINE MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	110
HOME DEFIBRILLATORS.....	110
<i>TABLE 29 NORTH AMERICAN HOME DEFIBRILLATOR MARKET, THROUGH 2016 (\$ MILLIONS)</i>	111
MONITORS AND SENSORS	111
<i>TABLE 30 NORTH AMERICAN MARKET FOR HOME MONITORING DEVICES BY TYPE OF DEVICE, THROUGH 2016 (\$ MILLIONS)</i>	111
<i>TABLE 31 NORTH AMERICAN MARKETS FOR HOME MONITORING PRODUCTS, THROUGH 2016 (\$ MILLIONS)</i>	112
GLUCOSE MONITORS.....	112
<i>TABLE 32 NORTH AMERICAN MARKETS FOR GLUCOSE SELF-MONITORING DEVICES, THROUGH 2016 (\$ MILLIONS)</i>	112
BLOOD PRESSURE MONITORS.....	113

<i>TABLE 33</i>	<i>MARKETS FOR HOME BLOOD PRESSURE MONITORS, THROUGH 2016 (\$ MILLIONS)</i>	113
	APNEA AND OTHER TYPES OF SLEEP MONITORS	113
<i>TABLE 34</i>	<i>NORTH AMERICAN MARKETS FOR SLEEP APNEA MONITORS, THROUGH 2016 (\$ MILLIONS)</i>	114
	CHOLESTEROL MONITORS.....	114
<i>TABLE 35</i>	<i>NORTH AMERICAN HOME CHOLESTEROL ANALYZER MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	114
	FETAL MONITORS.....	114
<i>TABLE 36</i>	<i>NORTH AMERICAN HOME FETAL MONITOR MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	115
	PEAK FLOW (ASTHMA) MONITORS	115
<i>TABLE 37</i>	<i>NORTH AMERICAN PEAK FLOW (ASTHMA) METER MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	116
	HOME ECG MONITORS.....	116
<i>TABLE 38</i>	<i>NORTH AMERICAN HOME ECG MONITOR MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	116
	TELEMETRY DEVICES	117
<i>TABLE 39</i>	<i>NORTH AMERICAN HOME TELEMETRY EQUIPMENT MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	117
	OTHER TYPES OF HME.....	117
<i>TABLE 40</i>	<i>NORTH AMERICAN HOME LYMPHEDEMA PUMP MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	118
 CHAPTER SIX: THE EUROPEAN UNION MARKET		119
	SUMMARY.....	119
<i>TABLE 41</i>	<i>EUROPEAN UNION MARKETS FOR HME BY COUNTRY, THROUGH 2016 (\$ MILLIONS)</i>	119
<i>TABLE 42</i>	<i>EUROPEAN UNION MARKETS FOR HME BY PRODUCT TYPE, THROUGH 2016 (\$ MILLIONS)</i>	120
	ASSISTIVE DEVICES.....	120
<i>TABLE 43</i>	<i>EU MARKETS FOR ASSISTIVE DEVICES, THROUGH 2016 (\$ MILLIONS)</i>	120
	WHEELCHAIRS AND SCOOTERS.....	121
<i>TABLE 44</i>	<i>EU MARKETS FOR WHEELCHAIRS AND SCOOTERS, THROUGH 2016 (\$ MILLIONS)</i>	121
	HOME CARE BEDS	121
<i>TABLE 45</i>	<i>EU MARKETS FOR HOME CARE BEDS, THROUGH 2016 (\$ MILLIONS)</i>	122
	INFUSION PRODUCTS.....	122
<i>TABLE 46</i>	<i>EU MARKETS FOR INSULIN PUMPS, THROUGH 2016 (\$ MILLIONS)</i>	122
	RESPIRATORY THERAPY PRODUCTS	123
<i>TABLE 47</i>	<i>EU RESPIRATORY THERAPY MARKET, BY PRODUCT TYPE, THROUGH 2016 (\$ MILLIONS)</i>	123

<i>TABLE 48 EU MARKETS FOR RESPIRATORY THERAPY PRODUCTS, BY COUNTRY, THROUGH 2016 (\$ MILLIONS)</i>	124
DIALYSIS EQUIPMENT	124
<i>TABLE 49 EU DIALYSIS MACHINE MARKET, THROUGH 2016 (\$ MILLIONS)</i>	124
HOME DEFIBRILLATORS.....	125
<i>TABLE 50 EU HOME DEFIBRILLATOR MARKET, THROUGH 2016 (\$ MILLIONS)</i>	125
MONITORS AND SENSORS	125
<i>TABLE 51 EU MARKET FOR HOME MONITORING DEVICES BY TYPE OF DEVICE, THROUGH 2016 (\$ MILLIONS)</i>	126
<i>TABLE 52 EU MARKETS FOR HOME MONITORING PRODUCTS, THROUGH 2016 (\$ MILLIONS)</i>	126
GLUCOSE MONITORS.....	126
<i>TABLE 53 EU MARKETS FOR GLUCOSE SELF-MONITORING DEVICES, THROUGH 2016 (\$ MILLIONS)</i>	127
BLOOD PRESSURE MONITORS	127
<i>TABLE 54 EU MARKETS FOR HOME BLOOD PRESSURE MONITORS, THROUGH 2016 (\$ MILLIONS)</i>	127
APNEA AND OTHER TYPES OF SLEEP MONITORS	128
<i>TABLE 55 EU SLEEP APNEA MONITOR MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	128
CHOLESTEROL MONITORS.....	128
<i>TABLE 56 EU HOME CHOLESTEROL ANALYZER MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	129
FETAL MONITORS.....	129
<i>TABLE 57 EU HOME FETAL MONITOR MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	129
PEAK FLOW (ASTHMA) MONITORS	130
<i>TABLE 58 EU PEAK FLOW (ASTHMA) METER MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	130
HOME ECG MONITORS	130
<i>TABLE 59 EU HOME ECG MONITOR MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	131
TELEMETRY DEVICES	131
<i>TABLE 60 EU HOME TELEMETRY EQUIPMENT MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	131
OTHER TYPES OF HME.....	132
<i>TABLE 61 EU HOME LYMPHEDEMA PUMP MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	132
CHAPTER SEVEN: THE JAPANESE MARKET	133
SUMMARY.....	133
<i>TABLE 62 JAPANESE MARKET FOR HME, THROUGH 2016 (\$ MILLIONS)</i>	133

ASSISTIVE DEVICES.....	133
<i>TABLE 63 JAPANESE MARKET FOR ASSISTIVE DEVICES, THROUGH 2016 (\$ MILLIONS)</i>	134
WHEELCHAIRS AND SCOOTERS	134
<i>TABLE 64 JAPANESE MARKET FOR WHEELCHAIRS AND SCOOTERS, THROUGH 2016 (\$ MILLIONS)</i>	134
HOME CARE BEDS	134
<i>TABLE 65 JAPANESE MARKETS FOR HOME CARE BEDS, THROUGH 2016 (\$ MILLIONS)</i>	135
INFUSION PRODUCTS.....	135
<i>TABLE 66 JAPANESE MARKET FOR INSULIN PUMPS, THROUGH 2016 (\$ MILLIONS)</i>	135
RESPIRATORY THERAPY PRODUCTS	135
<i>TABLE 67 JAPANESE MARKET FOR RESPIRATORY THERAPY PRODUCTS, THROUGH 2016 (\$ MILLIONS)</i>	136
DIALYSIS EQUIPMENT	136
<i>TABLE 68 JAPANESE HOME DIALYSIS MACHINE MARKET, THROUGH 2016 (\$ MILLIONS)</i>	137
HOME DEFIBRILLATORS.....	137
<i>TABLE 69 JAPANESE HOME DEFIBRILLATOR MARKET, THROUGH 2016 (\$ MILLIONS)</i>	137
MONITORS AND SENSORS	138
<i>TABLE 70 JAPANESE MARKET FOR HOME MONITORING DEVICES BY TYPE OF DEVICE, THROUGH 2016 (\$ MILLIONS)</i>	138
TELEMETRY DEVICES	139
<i>TABLE 71 JAPANESE HOME TELEMETRY EQUIPMENT MARKETS, THROUGH 2016 (\$ MILLIONS)</i>	139
OTHER TYPES OF HME.....	139
<i>TABLE 72 JAPANESE HOME LYMPHEDEMA PUMP MARKET, THROUGH 2016 (\$ MILLIONS)</i>	139
 CHAPTER EIGHT: THE BRIC COUNTRIES MARKET	 140
SUMMARY.....	140
<i>TABLE 73 BRIC MARKETS FOR HME, THROUGH 2016 (\$ MILLIONS)</i>	140
<i>TABLE 74 BRIC MARKETS FOR HME BY PRODUCT TYPE, THROUGH 2016 (\$ MILLIONS)</i>	141
ASSISTIVE DEVICES.....	141
<i>TABLE 75 BRIC MARKETS FOR ASSISTIVE DEVICES BY COUNTRY, THROUGH 2016 (\$ MILLIONS)</i>	141
WHEELCHAIRS AND SCOOTERS.....	142
<i>TABLE 76 BRIC MARKETS FOR WHEELCHAIRS AND SCOOTERS, THROUGH 2016 (\$ MILLIONS)</i>	142
HOME CARE BEDS	142
<i>TABLE 77 BRIC MARKETS FOR HOME CARE BEDS, THROUGH 2016 (\$ MILLIONS)</i>	143

INFUSION PRODUCTS.....	143
TABLE 78 BRIC MARKETS FOR INSULIN PUMPS, THROUGH 2016 (\$ MILLIONS).....	143
RESPIRATORY THERAPY PRODUCTS.....	144
TABLE 79 BRIC MARKETS FOR RESPIRATORY THERAPY PRODUCTS, THROUGH 2016 (\$ MILLIONS).....	144
DIALYSIS EQUIPMENT.....	144
TABLE 80 BRIC DIALYSIS MACHINE MARKET, THROUGH 2016 (\$ MILLIONS).....	145
HOME DEFIBRILLATORS.....	145
TABLE 81 BRIC HOME DEFIBRILLATOR MARKET, THROUGH 2016 (\$ MILLIONS).....	145
MONITORS AND SENSORS.....	146
TABLE 82 BRIC MARKET FOR HOME MONITORING DEVICES BY TYPE OF DEVICE, THROUGH 2016 (\$ MILLIONS).....	146
TABLE 83 BRIC MARKETS FOR HOME MONITORING PRODUCTS, THROUGH 2016 (\$ MILLIONS).....	146
GLUCOSE MONITORS.....	147
TABLE 84 BRIC MARKETS FOR GLUCOSE SELF-MONITORING DEVICES, THROUGH 2016 (\$ MILLIONS).....	147
BLOOD PRESSURE MONITORS.....	147
TABLE 85 BRIC MARKETS FOR HOME BLOOD PRESSURE MONITORS, THROUGH 2016 (\$ MILLIONS).....	147
OTHER TYPES OF MONITORS.....	148
TABLE 86 BRIC MARKETS OR OTHER TYPES OF MONITORS, THROUGH 2016 (\$ MILLIONS).....	148
TELEMETRY DEVICES.....	148
OTHER TYPES OF HME.....	148
TABLE 87 BRIC MARKET FOR HOME LYMPHEDEMA PUMPS, THROUGH 2016 (\$ MILLIONS).....	149
CHAPTER NINE: EMERGING MARKETS.....	150
SUMMARY.....	150
TABLE 88 EMERGING MARKETS FOR HME BY COUNTRY, THROUGH 2016 (\$ MILLIONS).....	150
TABLE 89 EMERGING MARKETS FOR HME BY PRODUCT TYPE, THROUGH 2016 (\$ MILLIONS).....	151
ASSISTIVE DEVICES.....	151
TABLE 90 EMERGING MARKETS FOR ASSISTIVE DEVICES BY COUNTRY, THROUGH 2016 (\$ MILLIONS).....	151
WHEELCHAIRS AND SCOOTERS.....	152
TABLE 91 EMERGING MARKETS FOR WHEELCHAIRS AND SCOOTERS, THROUGH 2016 (\$ MILLIONS).....	152
HOME CARE BEDS.....	152

<i>TABLE 92 EMERGING MARKETS FOR HOME CARE BEDS, THROUGH 2016 (\$ MILLIONS)</i>	153
INFUSION PRODUCTS.....	153
<i>TABLE 93 EMERGING MARKETS FOR INSULIN PUMPS, THROUGH 2016 (\$ MILLIONS)</i>	153
RESPIRATORY THERAPY PRODUCTS.....	154
<i>TABLE 94 EMERGING MARKETS FOR RESPIRATORY THERAPY PRODUCTS, THROUGH 2016 (\$ MILLIONS)</i>	154
DIALYSIS EQUIPMENT.....	154
HOME DEFIBRILLATORS.....	155
<i>TABLE 95 EMERGING MARKETS FOR HOME DEFIBRILLATORS, THROUGH 2016 (\$ MILLIONS)</i>	155
MONITORS AND SENSORS.....	155
<i>TABLE 96 MARKETS FOR HOME MONITORING DEVICES IN EMERGING COUNTRIES, BY TYPE OF DEVICE, THROUGH 2016 (\$ MILLIONS)</i>	156
<i>TABLE 97 MARKETS FOR HOME MONITORING PRODUCTS BY EMERGING COUNTRY, THROUGH 2016 (\$ MILLIONS)</i>	156
GLUCOSE MONITORS.....	156
<i>TABLE 98 MARKETS FOR GLUCOSE SELF-MONITORING DEVICES BY EMERGING COUNTRY, THROUGH 2016 (\$ MILLIONS)</i>	157
BLOOD PRESSURE MONITORS.....	157
<i>TABLE 99 MARKETS FOR HOME BLOOD PRESSURE MONITORS BY EMERGING COUNTRY, THROUGH 2016 (\$ MILLIONS)</i>	157
OTHER TYPES OF MONITORS.....	158
<i>TABLE 100 MARKETS FOR OTHER TYPES OF MONITORS BY EMERGING COUNTRY, THROUGH 2016 (\$ MILLIONS)</i>	158
TELEMETRY DEVICES.....	158
OTHER TYPES OF HME.....	158
<i>TABLE 101 EMERGING MARKETS FOR HOME LYMPHEDEMA PUMPS, THROUGH 2016 (\$ MILLIONS)</i>	159
APPENDIX A: PATENT ANALYSIS.....	160
<i>TABLE 102 U.S. HME PATENTS ISSUED SINCE 1975</i>	160
<i>FIGURE 19 U.S. HME PATENTS ISSUED SINCE 1975 (%)</i>	161
<i>FIGURE 20 LARGEST HME PATENT HOLDERS (% OF TOTAL HME PATENTS ISSUED THROUGH MARCH 25, 2010)</i>	162
APPENDIX B: COMPANY PROFILES.....	163
A&D MEDICAL/LIFESOURCE.....	163
ABBOTT LABORATORIES, INC.....	163
AEROTEL MEDICAL SYSTEMS, LTD.....	163
ALLIED HEALTHCARE PRODUCTS, INC.....	164
AMERICAN TELECARE, INC.....	164
ANALOGIC INC.....	164

ARADIGM CORP.....	165
BAXTER INTERNATIONAL, INC.	165
CARD GUARD AG.....	166
CARETRENDS.....	166
CYBERNET MEDICAL CORP.....	167
ECHO THERAPEUTICS.....	167
FRESENIUS MEDICAL CARE AG & CO. KGAA	168
HEALTH FRONTIER, INC.....	168
HONEYWELL HOMMED	168
INVACARE CORP.	169
LIFESCAN, INC.	169
MEDLINE INDUSTRIES, INC.....	170
MEDTRONIC, INC.	170
MEDTRONIC MINIMED	170
NIPRO DIAGNOSTICS INC.	171
NXSTAGE MEDICAL, INC.....	171
NONIN MEDICAL, INC.....	172
OBS MEDICAL.....	172
OMRON HEALTHCARE, INC.....	173
PARI PHARMA.....	173
PHILIPS HEALTHCARE.....	173
POLYMER TECHNOLOGY SYSTEMS.....	174
PREMD INC.....	174
PRIDE MOBILITY PRODUCTS CORP.....	174
PULSE METRIC INC.	175
RESMED, INC.	175
ROCHE DIAGNOSTICS.....	175
SCOTTCARE CORP.	176
SENSATEX INC.	176
SOLIANIS MONITORING AG.....	176
SUNRISE MEDICAL INC.....	177
VECTURA GROUP PLC	177
VIVOMETRICS INC.....	178