



# Sustainable Water for HealthCare

**EVERPURE**<sup>®</sup>  
WATER YOU CAN TRUST<sup>®</sup>



# Sustainable Water Opportunities

- Packages designed for all sustainable water applications within each facility



Waiting and  
Registration Areas



Nursing Stations



Cafeteria  
Patient Meals



Dining and Dr.'s  
Lounge



# Sustainable Water Opportunities

- Provide HealthCare Facilities with an easy **earth-friendly** solution to bottled water
  - Reduce your global ecological footprint by reducing waste associated with disposal and transport of bottled water





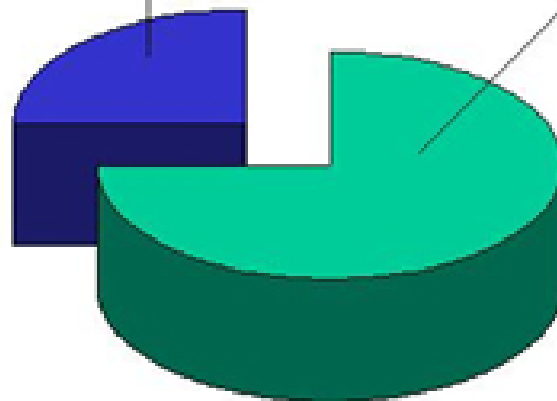
# Water Use Acute Care

**Domestic: 25%**

- Sinks
- Showers
- Toilets/Urinals

**Non-Domestic: 75%**

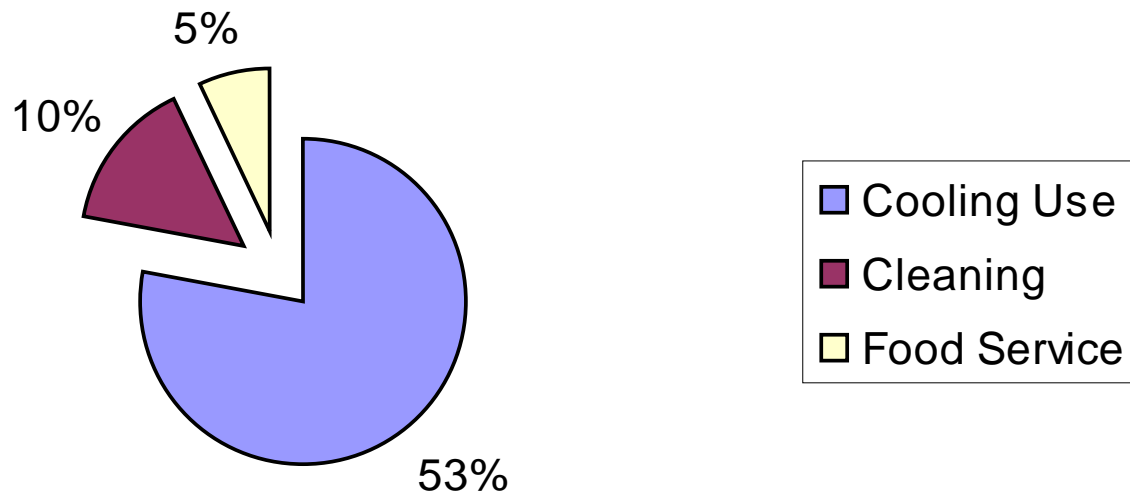
- Cooling Towers
- Boilers/Chillers
- Food Services (Kitchen)
- Operating Room
- Sterile Processing (Autoclaves)
- Radiology (Film Processing)
- Analytical Labs
- Pure Water Systems (RO/Stills)
- Medical Air/Vacuum
- Irrigation





# Water Use Continued

Hospitals Water Use Further Segmentation Non-Domestic Average Water Use Average Use





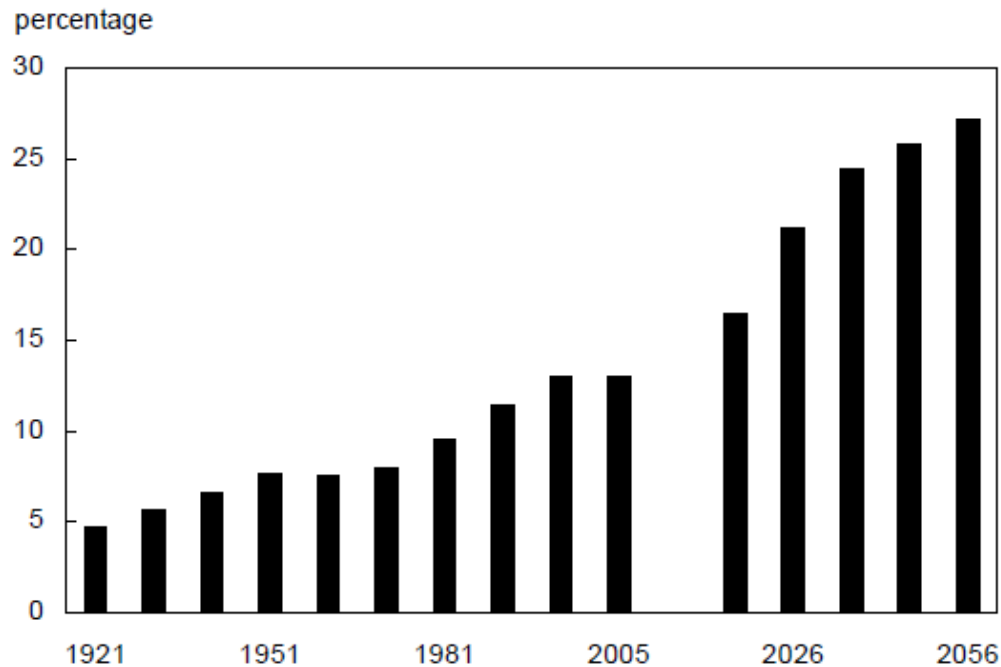
# Assisted Living/CCRC Market

## Beyond Acute Care



# Demographic Growth

**Chart 1.1**  
**Percentage of Canadian population comprised of persons aged 65 or older, 1921 to 2005 and projections to 2056**

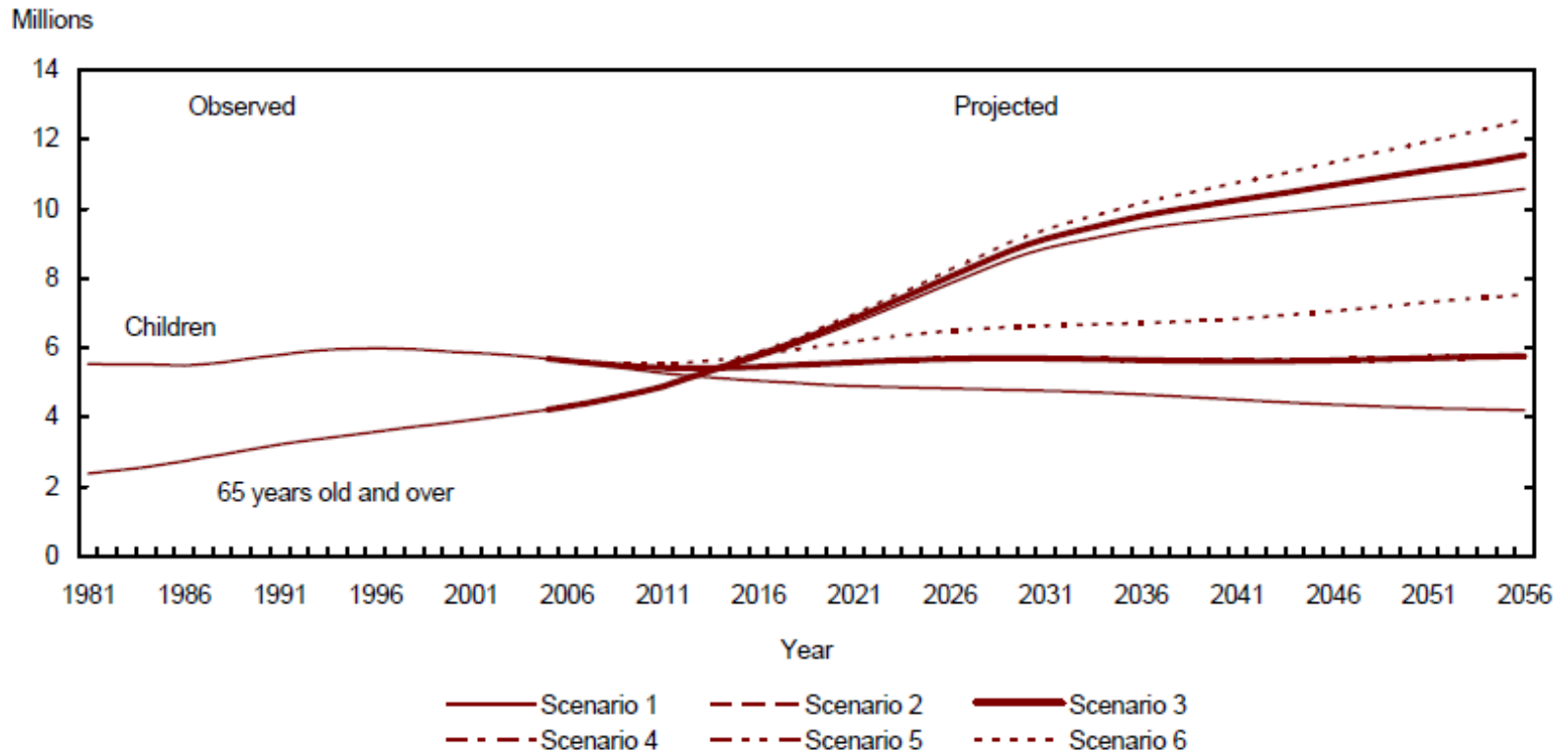


Sources: Statistics Canada, Censuses of Canada; Population projections for Canada, provinces and territories.

# Demographics

Chart 3.5

Number of children (0 to 14 years) and persons aged 65 years and over observed (1981 to 2005) and projected (2006 to 2056) according to six scenarios, Canada



Source(s): Statistics Canada, Demography Division.





# Assisted Living Increases

Table 3: Median age and percentage of population 75+ by province, 2006 and 2031

	Median age		Percentage of population 75 and older	
	2006	2031	2006	2031
British Columbia	39.8	45.1	6.74	11.57
Alberta	35.8	42.5	4.93	9.88
Saskatchewan	37.6	44.2	7.84	11.98
Manitoba	37.3	41.8	6.93	10.30
Ontario	38.2	43.4	6.11	10.14
Quebec	40.4	46.0	6.44	12.09
Newfoundland & Labrador	41.1	49.9	5.93	14.26
New Brunswick	40.7	47.7	6.75	13.88
Nova Scotia	40.8	48.1	8.42	13.41
Prince Edward Island	39.6	46.3	6.64	12.77
Canada	38.8	44.3	6.27	10.99

Source: Statistics Canada, 2005.



## Private-Pay Rents CCRC's

**Table 5: Average rent for private-pay facilities, and relevant income levels, selected provinces, 2009**

	Average rent	
	monthly	annual
British Columbia	\$4,718	\$56,616
Alberta	\$3,403	\$40,836
Saskatchewan	\$2,686	\$32,232
Ontario	\$3,437	\$41,244
Quebec	\$2,563	\$30,756
Prince Edward Island	\$2,867	\$34,404

Note: CMHC does not provide data for Manitoba or for Atlantic provinces outside of PEI, citing "data suppressed to protect confidentiality or data is not statistically reliable."

Source: Canada Mortgage and Housing Corporation, 2009, 9, (Table 1.3).



# Dehydration and Hospitalization

- Elderly dehydration is one of the most common causes of hospitalization among people over 65. In fact  $\frac{1}{2}$  of those hospitalized for dehydration die within one year.
- In 1999, the potential US national saving from avoidable hospitalizations in these patients could have been as much as dollars 1.14 billion.



# Residential Care Summary

- \$14.4 Billion in Revenues
- 4,546 Residential Care facilities with 252,561 beds staffed and in operation
  
- Ref: Ontario
- 1,738 facilities with 112,797 beds staffed and in operation.



## Private vs. Public by Province

**Table 8: LTC beds (publicly-funded) by province and by ownership status, 2008**

	non-profit	for-profit	total beds	% non-profit	% for-profit
British Columbia	17,028	7,588	24,616	69%	31%
Alberta	10,230	4,424	14,654	70%	30%
Saskatchewan	8,273	671	8,944	92%	8%
Manitoba	7,280	2,553	9,833	74%	26%
Ontario	35,748	40,210	75,958	47%	53%
Quebec	35,638	10,453	46,091	77%	23%
New Brunswick <sup>a</sup>	4,175	216	4,391	95%	5%
NFLD & Labrador	2,747	0	2,747	100%	0%
Nova Scotia <sup>b</sup>	4,190	1,796	5,986	70%	30%
Prince Edward Island	578	400	978	59%	41%
Canada	125,887	68,311	194,178	65%	35%

Notes: <sup>a</sup> For-profit bed number is a projection for 2010. <sup>b</sup> Estimates.

Sources: See Appendix B.



## Residential care facilities by ownership, facility characteristics<sup>1</sup> and geography — Canada <sup>2</sup>

	Operating facilities		Reporting facilities		Beds staffed and in operation <sup>3</sup>
	Number	Approved beds	Number	Approved beds	
<b>Facility ownership, municipal</b>					
<b>Total, residential care facilities</b>	<b>150</b>	<b>21,298</b>	<b>131</b>	<b>18,461</b>	<b>21,153</b>
<b>Total, homes for the aged</b>	<b>137</b>	<b>20,024</b>	<b>120</b>	<b>17,311</b>	<b>19,889</b>
1 to 19 beds	4	61	4	61	61
20 to 49 beds <sup>4</sup>	8	292	7	263	292
50 to 99 beds <sup>4</sup>	28	2,033	23	1,639	2,033
100 beds or more <sup>4</sup>	97	17,638	86	15,348	17,503
<b>Total, facilities for persons with mental disorders</b>	<b>10</b>	<b>486</b>	<b>8</b>	<b>362</b>	<b>475</b>
1 to 19 beds <sup>4</sup>	4	25	3	17	25
20 beds or more <sup>4</sup>	6	461	5	345	450
<b>Total, other residential care facilities <sup>5</sup></b>	<b>3</b>	<b>788</b>	<b>3</b>	<b>788</b>	<b>789</b>
<b>Facility ownership, provincial or territorial</b>					
<b>Total, residential care facilities</b>	<b>438</b>	<b>29,208</b>	<b>403</b>	<b>27,888</b>	<b>29,014</b>
<b>Total, homes for the aged</b>	<b>286</b>	<b>23,152</b>	<b>264</b>	<b>22,256</b>	<b>23,048</b>
1 to 19 beds	29	385	25	345	387
20 to 49 beds <sup>4</sup>	113	3,719	103	3,402	3,673
50 to 99 beds <sup>4</sup>	87	5,947	80	5,524	5,887
100 beds or more <sup>4</sup>	57	13,101	56	12,985	13,101
<b>Total, facilities for persons with mental disorders</b>	<b>125</b>	<b>5,485</b>	<b>112</b>	<b>5,061</b>	<b>5,398</b>
1 to 19 beds <sup>4</sup>	75	746	68	661	740
20 beds or more <sup>4</sup>	50	4,739	44	4,400	4,658
<b>Total, other residential care facilities <sup>5</sup></b>	<b>27</b>	<b>571</b>	<b>27</b>	<b>571</b>	<b>568</b>
<b>Facility ownership, federal</b>					
<b>Total, residential care facilities</b>	<b>18</b>	<b>250</b>	<b>11</b>	<b>134</b>	<b>266</b>
<b>Total, homes for the aged</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 to 19 beds	0	0	0	0	0
20 to 49 beds <sup>4</sup>	0	0	0	0	0
50 to 99 beds <sup>4</sup>	0	0	0	0	0
100 beds or more <sup>4</sup>	0	0	0	0	0
<b>Total, facilities for persons with mental disorders</b>	<b>17</b>	<b>244</b>	<b>10</b>	<b>128</b>	<b>260</b>
1 to 19 beds <sup>4</sup>	13	148	9	103	164
20 beds or more <sup>4</sup>	4	96	1	25	96
<b>Total, other residential care facilities <sup>5</sup></b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>6</b>	<b>6</b>
<b>Facility ownership, other</b>					
<b>Total, residential care facilities</b>	<b>120</b>	<b>31,228</b>	<b>120</b>	<b>31,228</b>	<b>30,693</b>
<b>Total, homes for the aged</b>	<b>98</b>	<b>30,484</b>	<b>98</b>	<b>30,484</b>	<b>29,957</b>
1 to 19 beds	2	33	2	33	33
20 to 49 beds <sup>4</sup>	4	123	4	123	128
50 to 99 beds <sup>4</sup>	13	994	13	994	983
100 beds or more <sup>4</sup>	79	29,334	79	29,334	28,813
<b>Total, facilities for persons with mental disorders</b>	<b>16</b>	<b>447</b>	<b>16</b>	<b>447</b>	<b>439</b>
1 to 19 beds <sup>4</sup>	9	88	9	88	86
20 beds or more <sup>4</sup>	7	359	7	359	353
<b>Total, other residential care facilities <sup>5</sup></b>	<b>6</b>	<b>297</b>	<b>6</b>	<b>297</b>	<b>297</b>



## Some Canadian Operators

Private enterprise companies such as:

- Extencicare (Canada) Inc.
- Intercare Corporate Group Inc.
- Central Park Lodges (CPL)

Voluntary operators such as:

- The Good Samaritan Society
- Bethany Care Society



## CCRC's- Luxury Retirement Living

- The CCRC typically comprises 50 to 250 independent living apartments, 20 to 60 assisted living apartments and a 30 to 120 bed nursing home. The facility will also comprise such facilities as a quality dining room, an activity room, a wellness centre, a business centre, library, lounge, shop, beauty parlor and games rooms.
- Best thought of as a Condo on the outskirts, Hotel in the inner circle and a residential care facility in the core.





# Home Care – Resident in Room Drinking Water Targeting the Elderly and Immunocompromised

## Virupure filtration system with NSF P231 Purifier Certification

Unique multi-stage filtration technology provides the ultimate in drinking water quality and purification

The V-500 is certified by NSF International as a microbiological purifier for the reduction of:

- Viruses (99.9999%)
- Bacteria (99.99%)
- Cryptosporidium, Giardia and Entamoeba Cysts
- Volatile Organic Chemicals including THHMs
- MTBE
- Lead
- Chlorine and Chloramine
- Off-Taste and Odors
- Sediment, Dirt and Particles as small as 19 nm (0.019 microns)

Capacity: 500 gallons (1893 Liters)  
 Working Pressure: 25-80 psi (1.7 – 5.5 bar), non-shock  
 Water Temperature: 35-100°F (2-38°C)  
 Flow Rate: 0.5 gpm (1.9 Lpm)



System is certified by NSF International against NSF P231 – Microbiological Water Purifiers based on the recommendations set forth in the USFDA Guide Standard and Protocol for Microbiological Water Purifiers (NSF Intl. Notice Report, 1997)



Platinum filter and faucet handles available.

Separate drinking water faucet required.