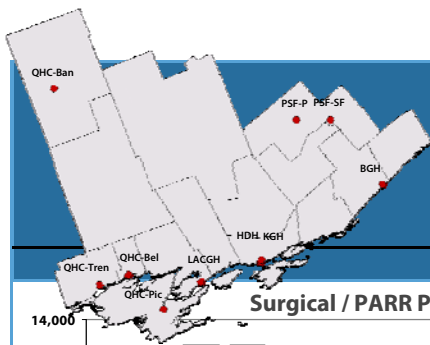


South East Local Health Integration Network Day / Night Procedure Profile



Surgical / PARR Procedures by Institutions & Sex (2006/2007) ^{1,2,3}

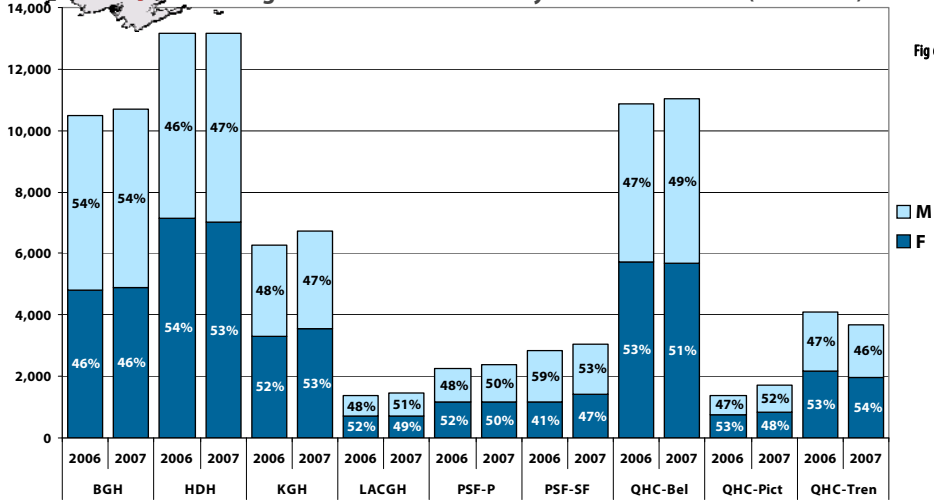


Fig 6.1

Introduction:

The Regional Capacity Assessment Project (ReCAP) provides a profile, including short-term projections, on the utilization of health care services in the South East LHIN. Results of ReCAP are used to support the recommendations in the Integrated Health Service Plan for the South East region. This short report on Day/Night Procedures is one in a series of summary analyses from ReCAP that focuses on specific health care services. In the South East LHIN there are 9 institutions that provide Day/Night procedures including Surgical/ Post Anaesthetic Recovery Room (PARR), Oncology, Dialysis, Radiation and Cardiac Catheterizations.

Summary of Main Findings:

- In 2007, SELHIN institutions performed just under 54,000 Surgical/PARR procedures; one quarter took place at HDH, one fifth each occurred at BGH and QHC-Bel, one eighth at KGH and 7% or less at each of the other institutions.
- Overall about 51% of Surgical/PARR visits to SELHIN institutions were female; slightly higher percentages were recorded in HDH, KGH and QHC-Tren.
- The 45-64 age group had the majority of Surgical/PARR procedures (29%-49%), followed by the 20-44 and the 65-74 age groups each accounting for about one fifth of all procedures. Individuals 0-19 and 85+ represented 5% and 4% of all of these procedures respectively.
- In most of the SE LHIN institutions Gastro/Hepatobiliary, Ophthalmology and Urology are the main type of surgical procedures performed. KGH was responsible for more specialized type of surgeries while PSF-SF and QHC-Tren had more Urology and Ophthalmology respectively.
- In the SE LHIN, KGH (58%) and QHC-Bel (40%) accounted for most of the Oncology visits during the 2007 fiscal period. BGH and PSF-P were the only other institutions reporting Oncology visits.
- Overall about 54% of Oncology visits are for female patients; QHC-Bel sees proportionally more females than KGH.

Fig 6.2

Surgical / PARR Procedures by Institutions & Age Group (2006/2007) ^{1,2,3}

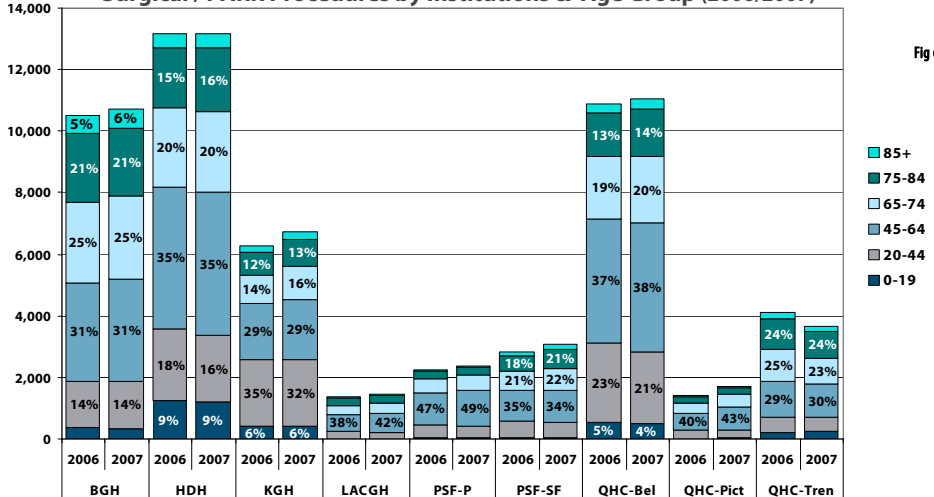
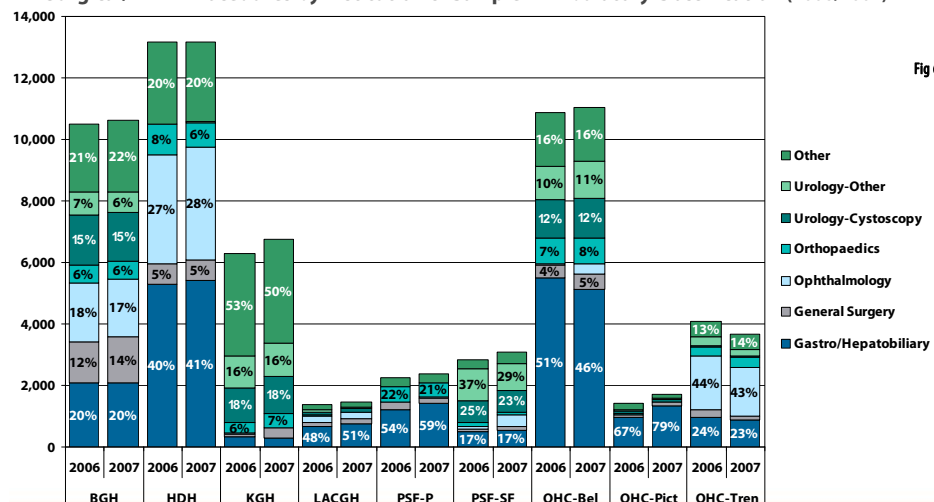


Fig 6.3

Surgical/PARR Procedures by Institution & Complex Ambulatory Classification (2006/2007) ^{1,2,3}



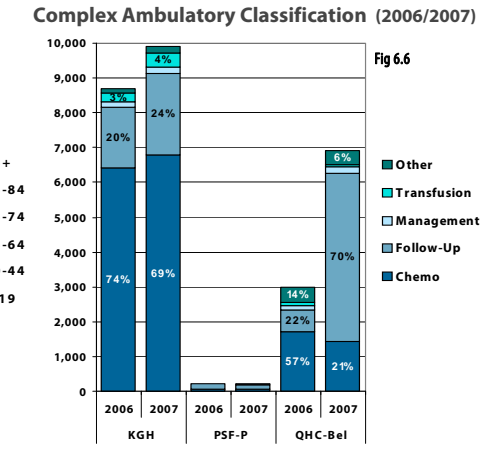
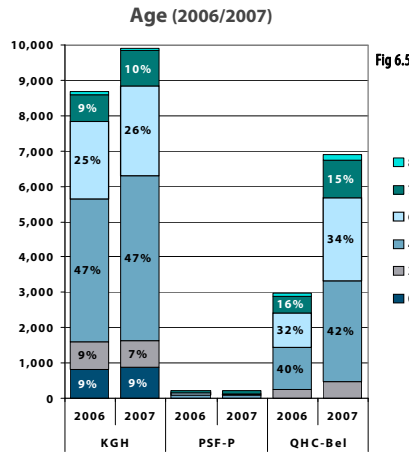
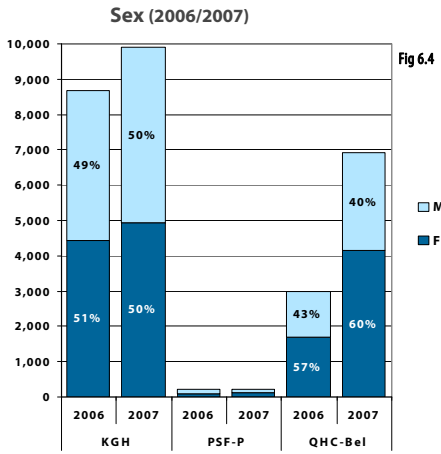
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Legend:

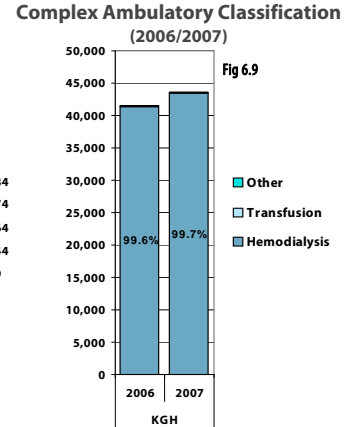
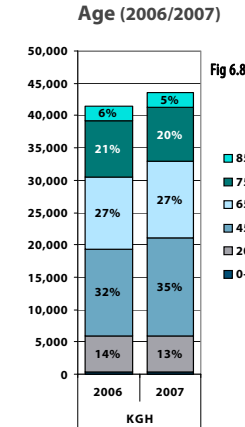
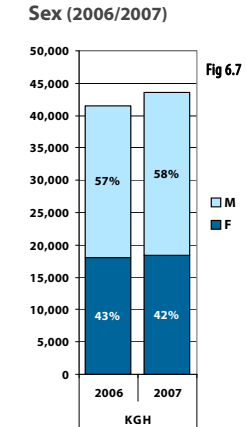
- Other
- Urology-Other
- Urology-Cystoscopy
- Orthopaedics
- Ophthalmology
- General Surgery
- Gastro/Hepatobiliary
- BGH-Brockville General Hospital
- HDH-Hotel Dieu Hospital
- KGH-Kingston General Hospital
- LACGH-Lennox & Addington County General Hospital
- PSF-P-Perth & Smiths Falls Hospital-Perth
- PSF-SF-Perth & Smiths Falls Hospital-Smiths Falls
- QHC-Ban-Quinte Health Care-Bancroft
- QHC-Bel-Quinte Health Care-Belleville
- QHC-Pict-Quinte Health Care-Picton
- QHC-Tren-Quinte Health Care-Trenton

Please send any questions or comments to:
SEdatateam@lhins.on.ca

Oncology Visits by Institution 1.2.4



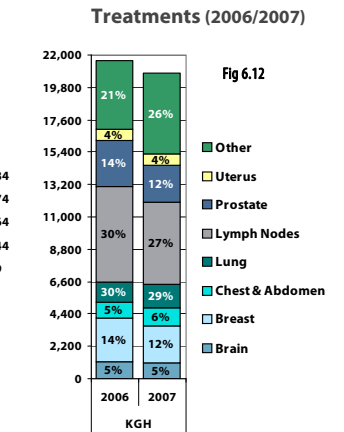
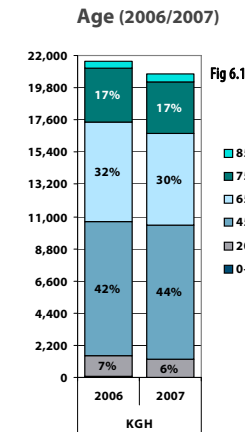
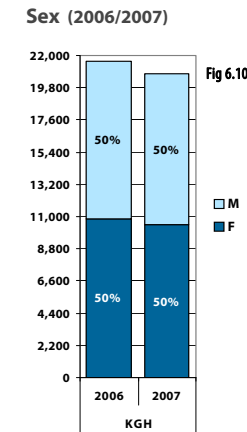
Dialysis Visits by Institution 1.2.5



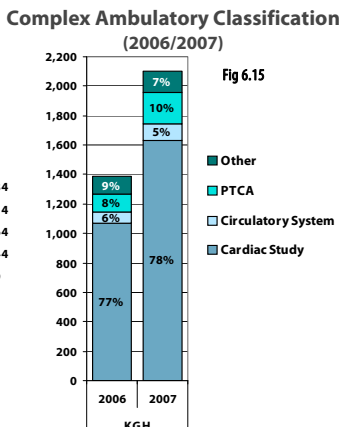
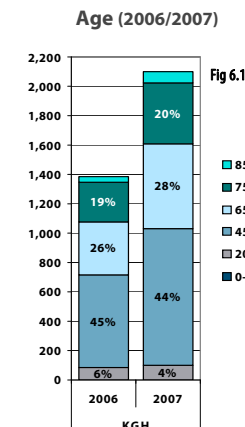
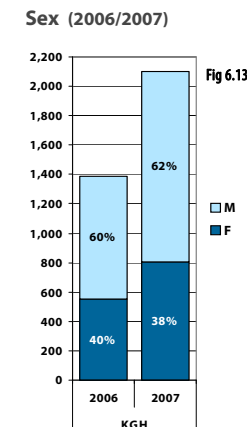
Summary of Main Findings - Continued:

- More than 2 in every 5 oncology visits are to patients 45-64 years, followed by 65-74 (26%-34%) and 85+ (10%-15%). In KGH 9% (or almost 900) of oncology visits are to individuals 19 years or younger.
- In KGH most (69%) of the oncology visits are for chemo treatments while the majority in QHC-Bel are for follow-up treatment.
- KGH, with over 40,000 visits annually, is the only reporting institution in the SELHIN that offers Dialysis services.
- About 58% of Dialysis visits are for male patients.
- Just over 1 in 3 Dialysis visits are for individuals 45-64 years, 27% for persons 65-74 years and 20% for persons 75-84 years.
- Hemodialysis was the dialysis service offered to more than 99% of individuals requiring dialysis.
- Radiation treatment is only provided at KGH with over 20,000 treatments per year.
- Radiation Treatments are provided equally to males and females.
- Nearly 3 in every 4 Radiation treatments are for individuals 45-74 years. Persons aged 20-44 and 75+ represented 6% and 20% of radiation treatments respectively.
- In 2007 more than 2,100 Cardiac Caths were performed at KGH, the only institution offering this procedure.
- The majority (>60%) of Cardiac Caths are provided to male patients.
- Most (44%) of the Cardiac Caths are also for persons 45-64 while 28% are given to individuals 65-74 and 20% to individuals 75-84.
- The age-sex utilization rate for Day/Night procedures in the SELHIN is almost identical to that of the province with the exception of Dialysis in 75-84 year olds (lower in SELHIN) and Surgical/PARR in 75-84 year olds (higher in SELHIN).
- Five year projections for Day/Night procedures in the SELHIN, based only on changes in population growth, indicate slow average annual increases in the number of procedures/treatments for Surgical/PARR (1.6%), Dialysis (1.7%) and Radiation (3.1%). The number of Oncology visits and Cardiac Caths would each likely decline by about 1%.

Radiation Treatments by Institution 1.2.6

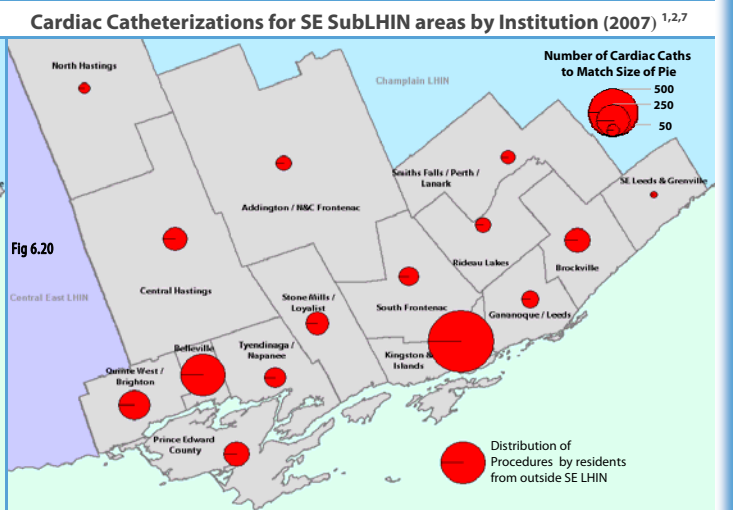
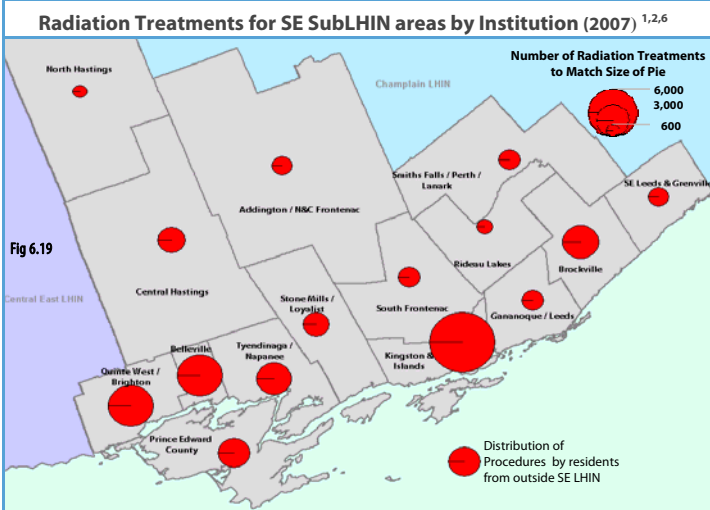
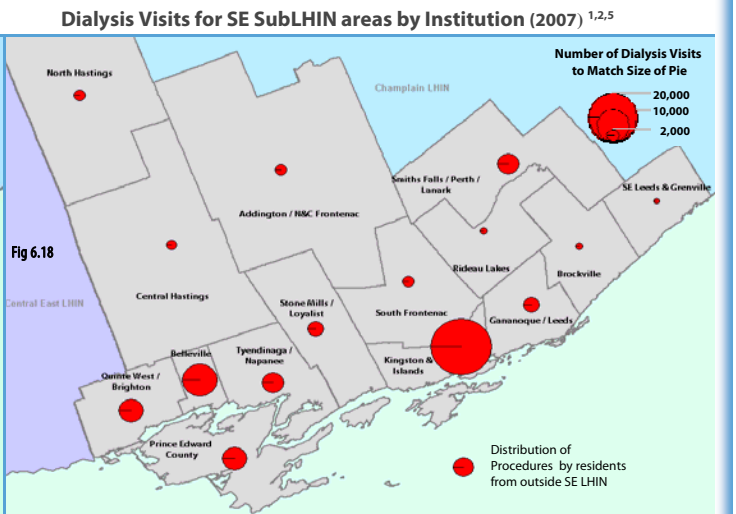
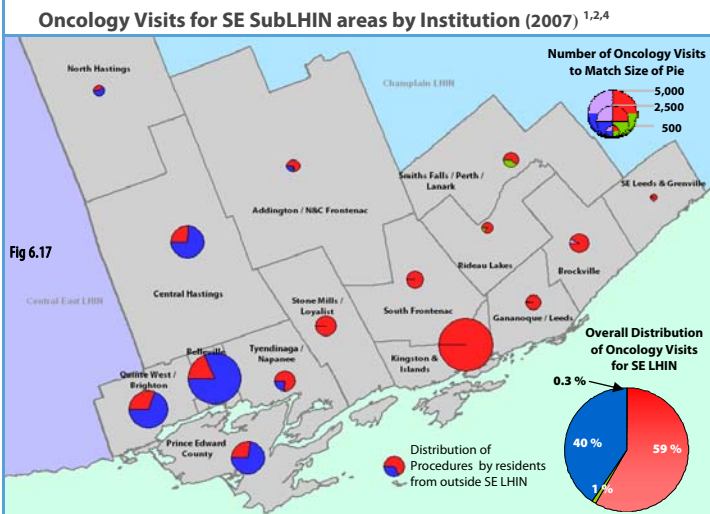
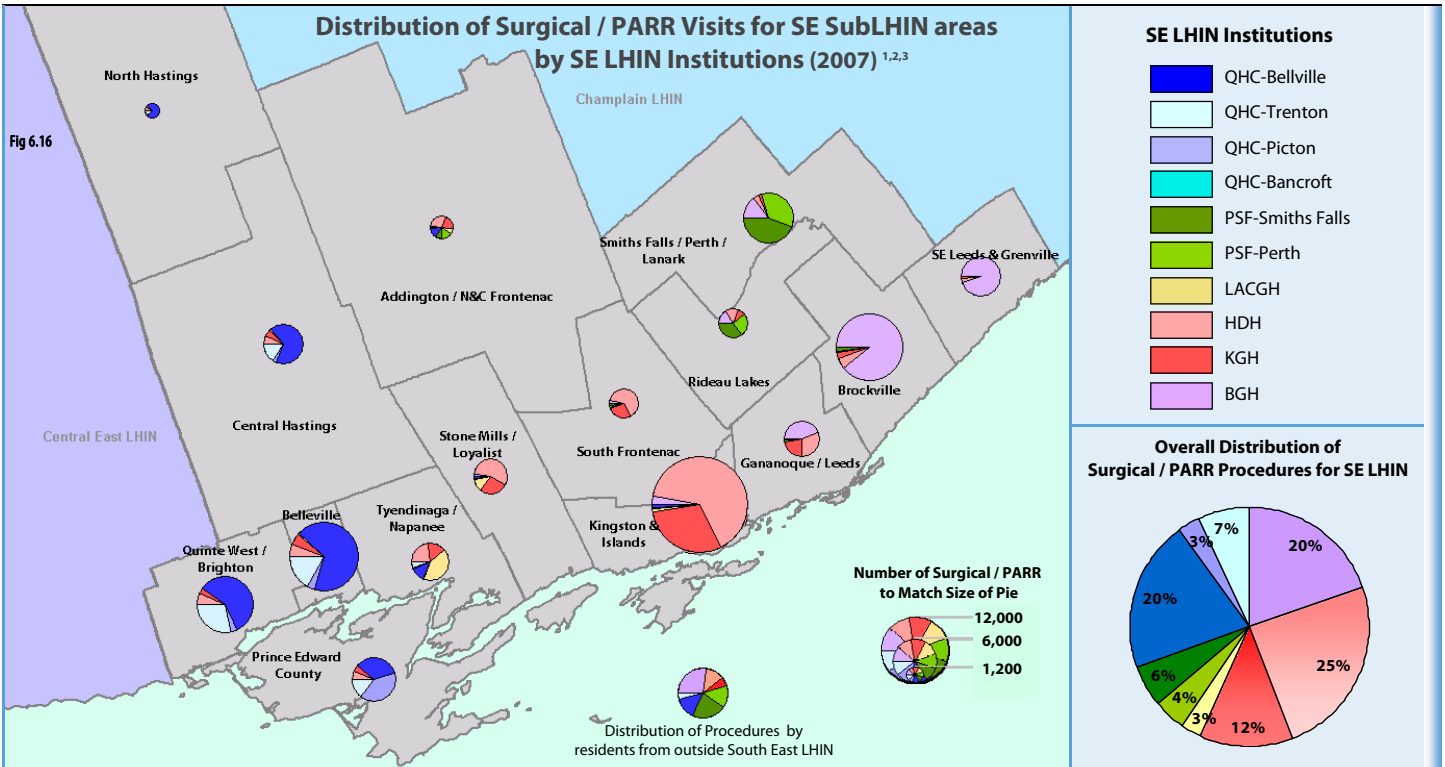


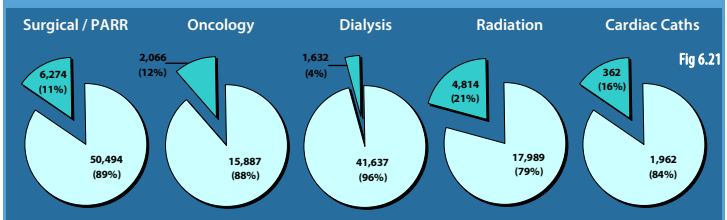
Cardiac Caths by Institution 1.2.7



48 Dundas Street West, Unit 2
 Belleville, Ontario K8P 1A3
 Phone: 613-967-0196
 Fax: 613-967-1341

South East Local Health Integration Network Day / Night Procedure Profile



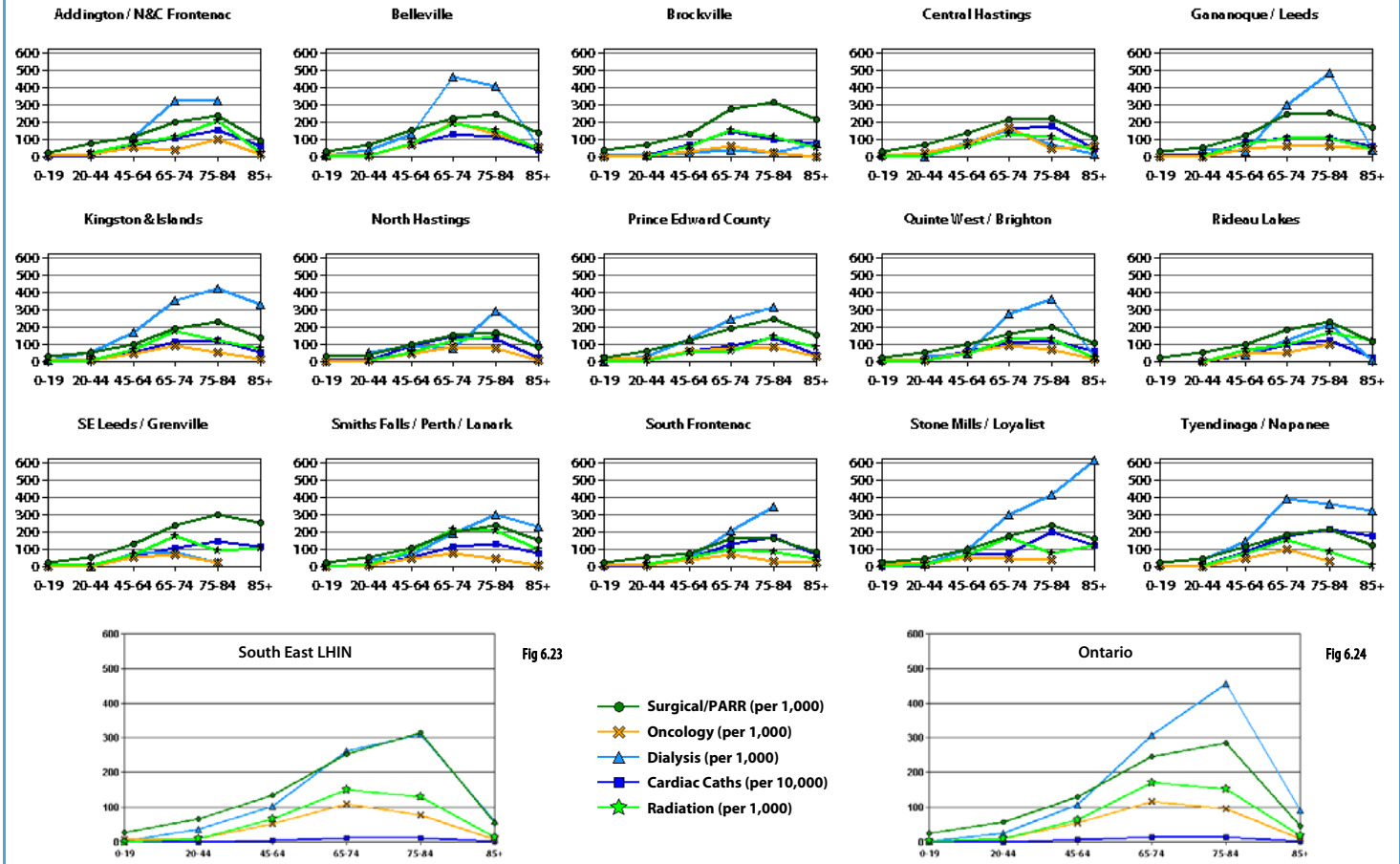


Care Received:
 □ Inside SE LHIN
 ■ Outside SE LHIN

South East Local Health Integration Network Day / Night Procedure Profile

Age-specific Utilization Rates for Day / Night Procedures by Age Group and SubLHIN (2006-2007) ^{1-7,9}

Fig 6.22



Reported and Projected Day / Night Procedures (2007 & 2012) ¹⁻¹²

Fig 6.25

Institution Name	Surgical / PARR			Oncology			Dialysis			Cardiac Catheterization			Radiation		
	2007	2012	Average Annual Growth (%) 2007-2012	2007	2012	Average Annual Growth (%) 2007-2012	2007	2012	Average Annual Growth (%) 2007-2012	2007	2012	Average Annual Growth (%) 2007-2012	2007	2012	Average Annual Growth (%) 2007-2012
Brockville General Hospital	10,711	11,622	1.6	57	33	-10.4									
Hotel Dieu Hospital	13,168	14,539	2.0												
Kingston General Hospital	6,737	6,950	0.6	9,900	10,499	1.2	43,536	47,335	1.7	2,101	1,997	-1.0	20,753	24,210	3.1
L & A County General Hospital	1,465	1,566	1.3												
Perth & Smiths Falls Dist-Perth Site	2,365	2,522	1.3	207	243	3.3									
Perth & Smiths Falls Dist-Smiths Falls	3,068	3,205	0.9												
Quinte Health Care-Belleville	11,038	11,972	1.6	6,903	5,573	-4.2									
Quinte Health Care-Picton	1,721	1,708	-0.2												
Quinte Health Care-Trenton	3,676	4,310	3.2												
South East LHIN	53,949	58,394	1.6	17,067	16,348	-0.9	43,536	47,335	1.7	2,101	1,997	-1.0	20,753	24,210	3.1

General Notes and Limitations:

- All estimates are reported for fiscal periods, e.g. 2007 is April 2007 - March 2008.
- Data Source: National Ambulatory Care Reporting System (NACRS) developed by the Canadian Institute for Health Information (CIHI) and the Ministry of Health and Long-Term Care of Ontario.
- Surgical/Post Anesthetic Recovery Room (Surgical/PARR) visits include: IP Operating Room, IP OR/PARR Combined, OR General Surgical, OR Cystology, OR Plastic Surgery, OR Neurosurgery, OR Ophthalmology, OR Orthopaedic, PARR, PARR General, AC D/N Care-Pre/Post Op Care (OR/PARR Excl.), AC D/N Care-Surg Proc (OR/PARR Incl.), AC D/N Care-Surg Operating Rooms, AC D/N Care-Endoscopy.
- Oncology visits include: AC D/N Care-Oncology, AC D/N Care-Oncology-Chemo, AC D/N Care-Oncology-Other Supp. Therapy, Fund 3-AC D/N Care-Oncology.
- Dialysis visits includes: AC D/N Care-Hemodialysis, AC D/N Care-Home Dialysis (Teaching) Comb, AC D/N Care-Home Hemo (Teaching), AC D/N Care-Self-Care Hemodialysis.
- Radiation includes: RAD Radiation Oncology, RAD Treatment.
- Cardiac Catheterizations include: DI Cardiac Catheterization Lab, DI Cardiac Catheterization Interventional, DI Cardiac Catheterization Diagnostic Services.
- Projections of the health care utilization are primarily based on changes in population growth (including mortality, fertility and migration).
- Market share and utilization rates for 2006 and 2007 combined are assumed to remain constant until 2012.
- Population estimates at the SubLHIN and LHIN levels were accessed from the Provincial Health Planning Database, MOHLTC. Population projections at the SubLHIN level were generated by the South East LHIN based on cohort component methodology.
- South East SubLHIN, sex and age group (0-19, 20-44, 45-64, 65-74, 75-84, 85+) are assumed to be independent strata.
- Projections of health care utilization do not incorporate program realignments or enhancements, changes in service demand, technological or clinical developments, or changes in disease prevalence.