

WELCOME WELCOME



Tracking movement of clients with an
ABI through the system from acute
into the community: what does it tell
us and what else might we need to
know?

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Funding and Resources

Special thanks to:

- ONF for funding this project from early stages to ongoing work
- Toronto Rehab for resources and support
- MOHLTC for their support in accessing data



Workshop Purpose

- Present results
- Examine the data
- Explore relevance and utility for
 - policy development
 - legislation
 - program/system planning
 - program/system evaluation)
 - research and education



Results

- Characteristics of ABI cases
- Differences between LHINs, TBI and NTBI
- Client movement
- Utilization
- Cost



Questionnaire

- your background
- area of practice
- access to data
- utility of data
- gaps in data

A world map in shades of blue, serving as a background for the text.

ABI Dataset

First population based data set capturing continuum of care for both traumatic and non traumatic brain injury



Overall Goal of the Dataset

- To capture information across the continuum of care
- To identify the number of episodes or patients with ABI

Acquired Brain Injury

TRAUMATIC

Open

Closed



NON-TRAUMATIC

- Anoxia
- Aneurysms
- Brain Tumors
- Encephalitis
- Meningitis
- Metabolic Encephalopathy's
- Stroke with Cognitive Disabilities

Background

2004

- Stakeholder meetings
- Vision for a dataset
- Business case to MOHLTC

2007

- ONF Funding
- Pilot project
- Data Analysis plan

2008

- Data request for ER, acute and rehab
- Data analysis

Background

2009

- Report for ER, acute and rehab
- Data request and data analysis Home care, CCC and LTC and OHIP data

2010

- Data request all data for additional years up to 2010

Future

- Dissemination
- Template development for ongoing data requests and analysis

Method



Method: Phase 1

- Secondary analyses of administrative data from MOHLTC
- Discharge Abstract Dataset (DAD): acute care admissions
- National Ambulatory Care Reporting System (NACRS): emergency dept/ambulatory care
- National Rehabilitation Reporting System (NRS): inpatient rehabilitation data
- Mandatory only in Ontario
- 4 years 2003/04 to 2006/07

Method: Phase 2 and Continuing

Phase 2

- Home Care Reporting System (HCRS)
- Continuing Care Reporting System (CCRS)
- OHIP Billing data (physician visits)

Continuing:

- Data for all datasets up to 2009/2010

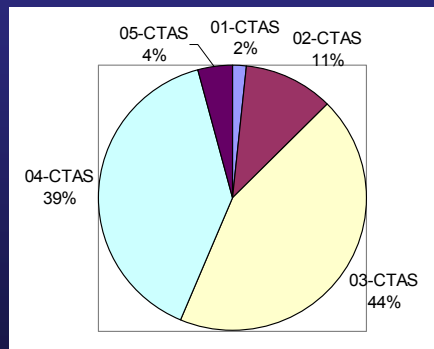




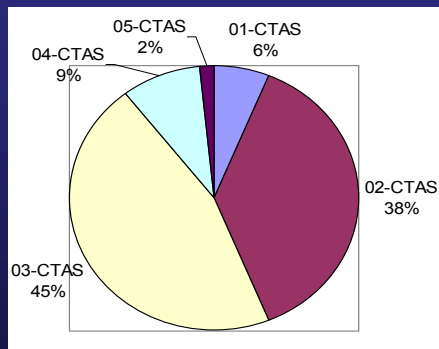
Results: Characteristics of ABI cases

Severity of ABI-CTAS* Scores

TBI



Non-TBI



* The Canadian Triage & Acuity Scale

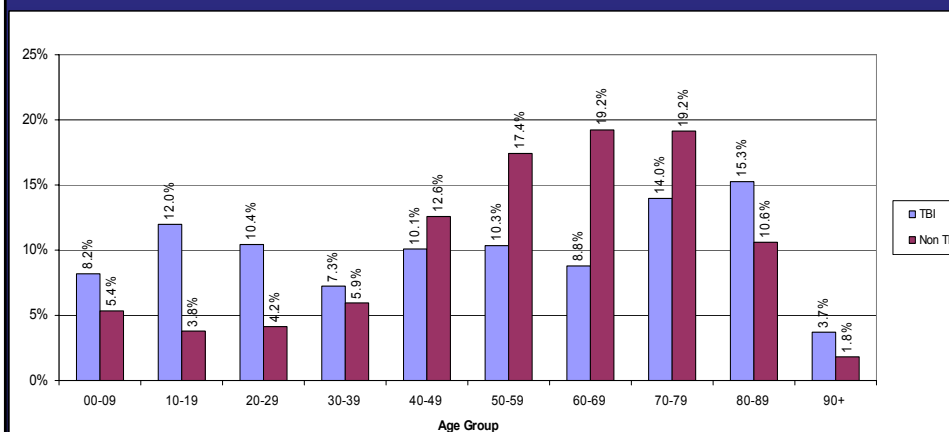


Length of Stay (LOS) Marker for Severity

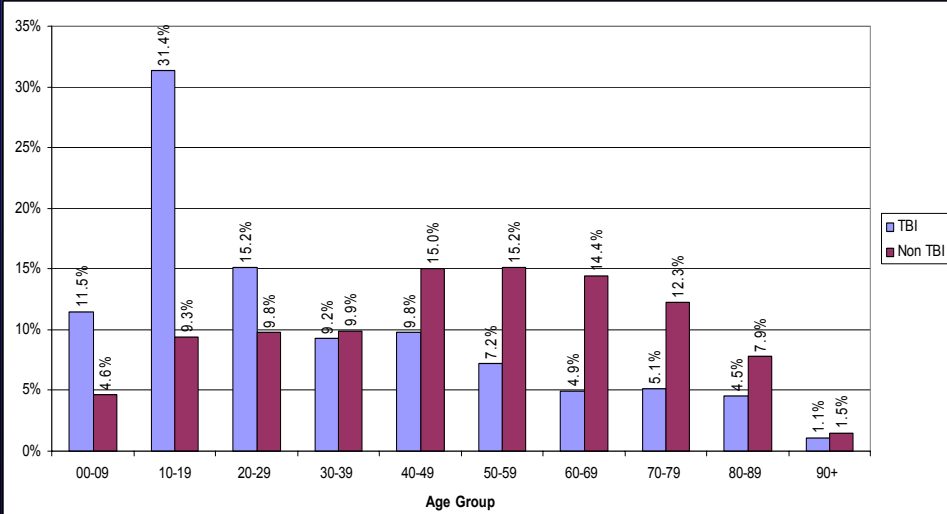
- LOS in ED
 - TBI increased from 3.6 to 5.3 hours
 - non-TBI from 5.9 to 7.4 hours
- LOS in Hospital
 - TBI decreased from 14.3 to 13.6 days
 - Non-TBI decreased from 15.5 to 14.5 days
- LOS in Inpatient Rehab
 - Changed from 51 to 45 mean days in over 3 years

*

Hospitalizations by Age

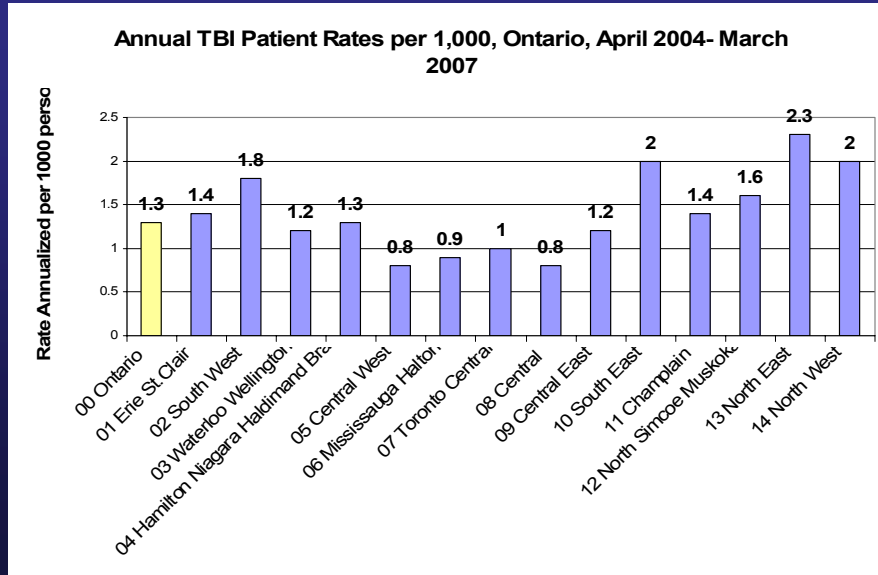


ED Visits: Age Distribution

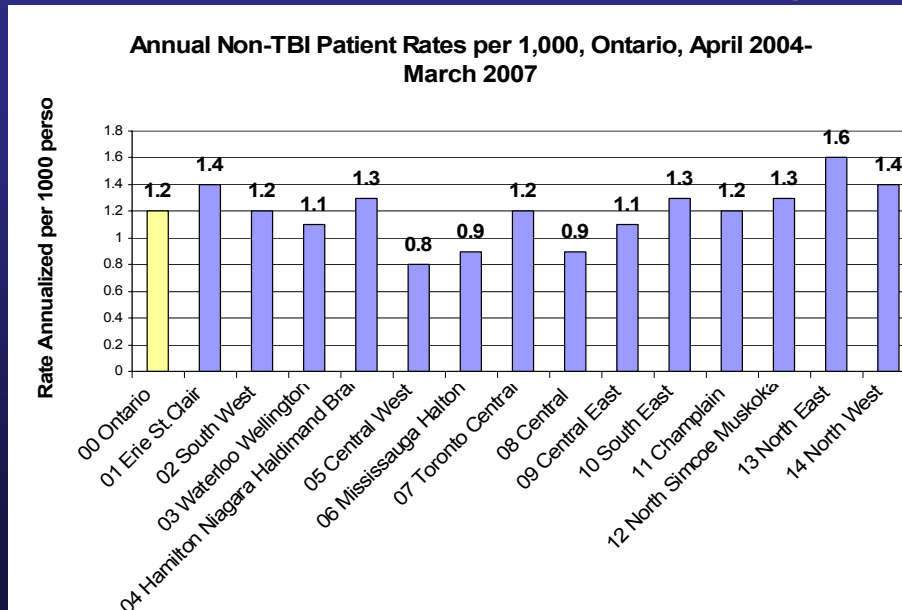


Results: Across LHINs

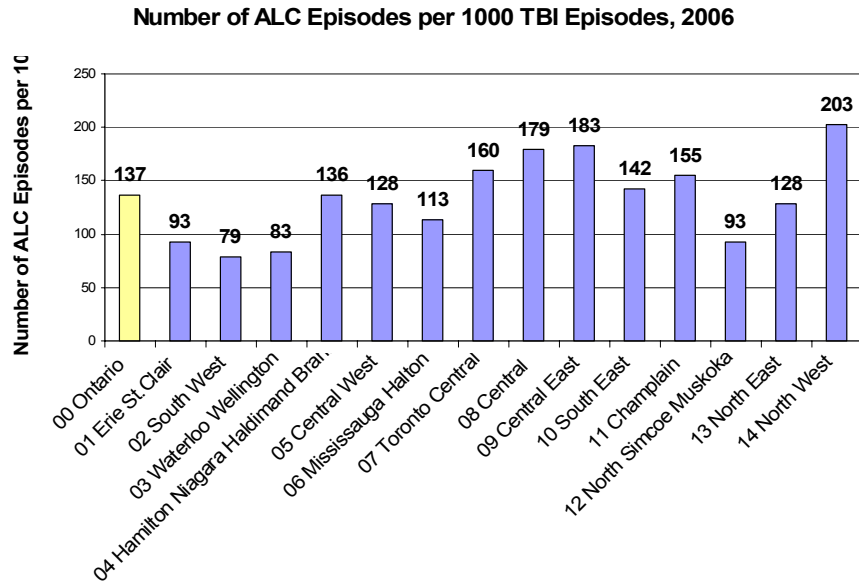
TBI Patient Rates per 1000 per year



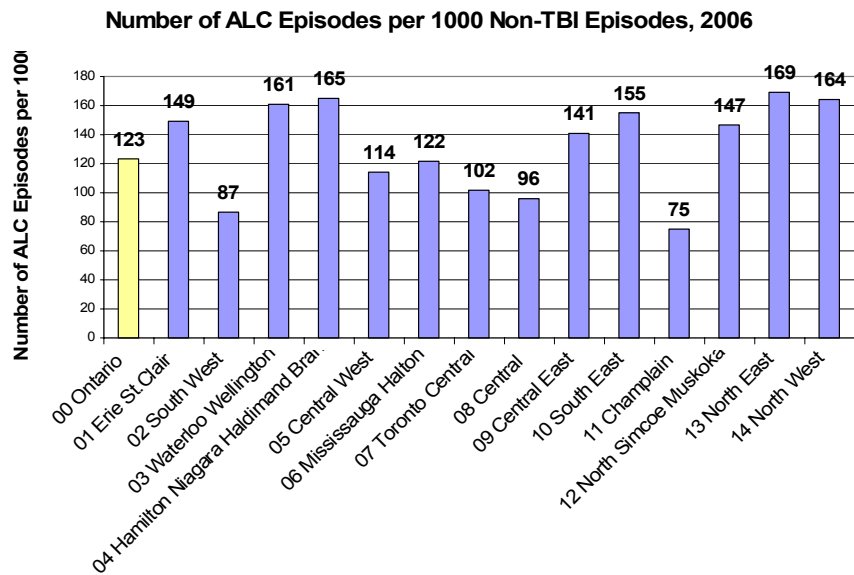
Non-TBI Patient Rates per 1000 per year



ALC Episodes per 1000 TBI Episodes



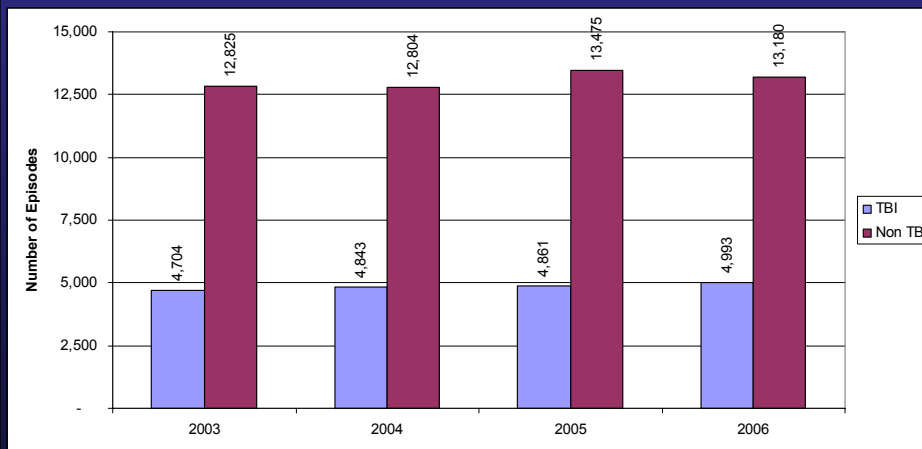
ALC Episodes per 1000 Non-TBI Episodes





Results: Client Movement

Hospitalizations by Year

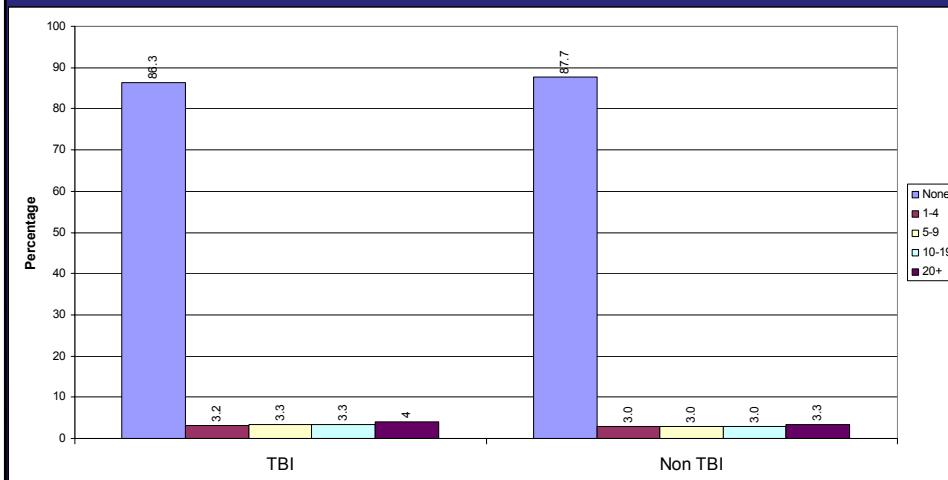


Trends in Hospital Admissions

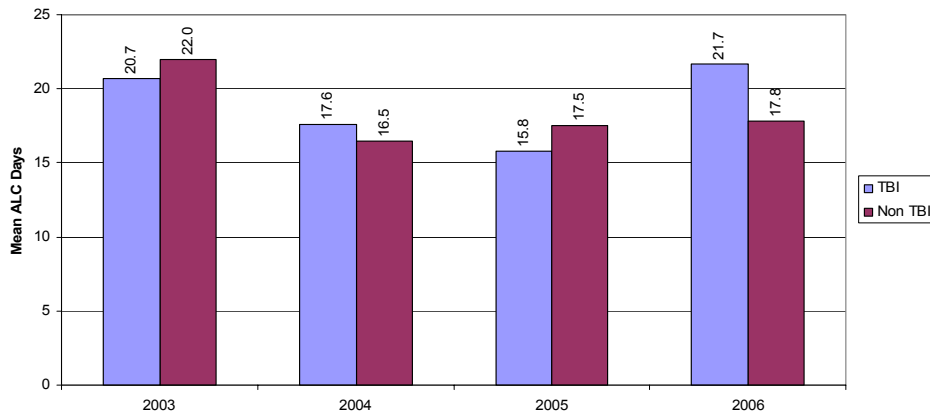
- The number of hospital admission episodes increased 6% for TBI compared to 3% for non TBI.



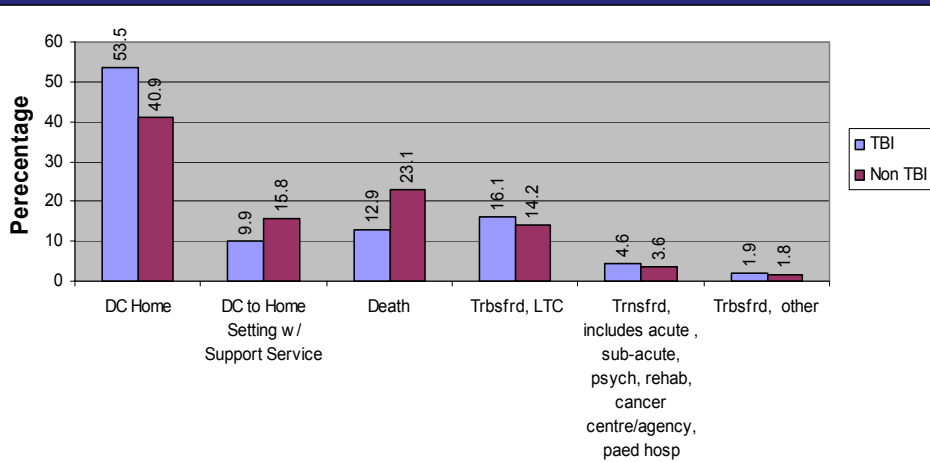
Length of ALC Days, by TBI and Non TBI for Fiscal Year 2006



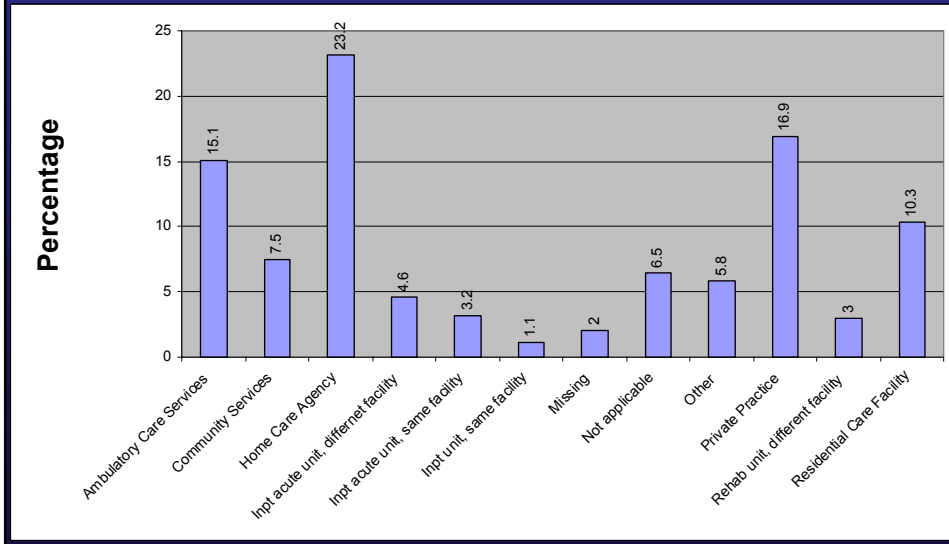
Mean ALC Days, DAD Episodes, by Fiscal Year



Discharge Disposition Breakdown, DAD TBI and Non TBI, Fiscal year 2006

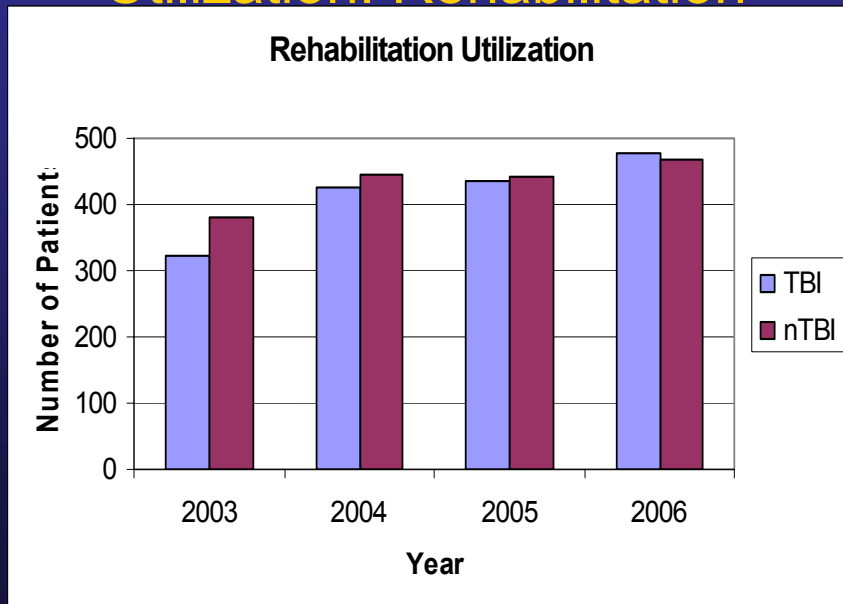


Discharge Disposition Percentage, NRS RCG 2, Fiscal Year 2006

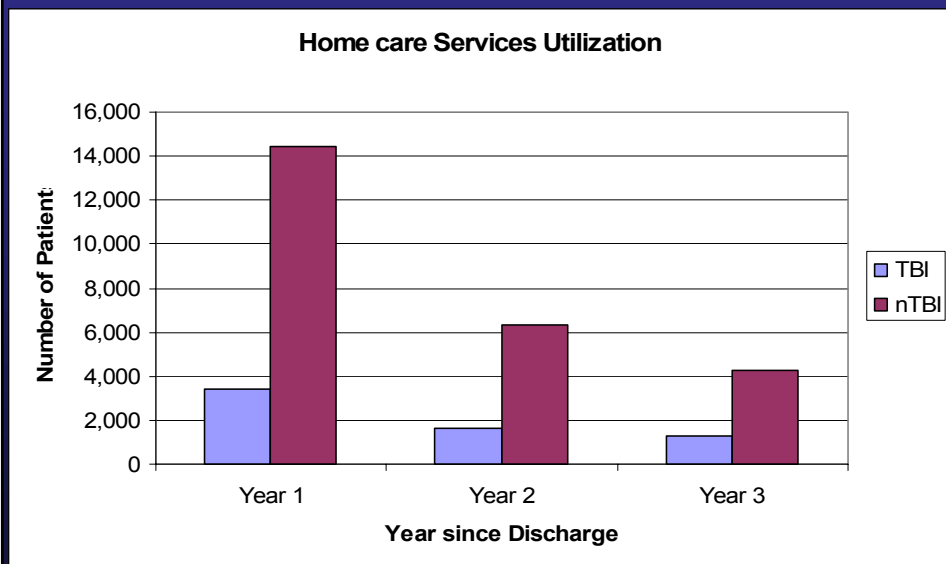


Utilization

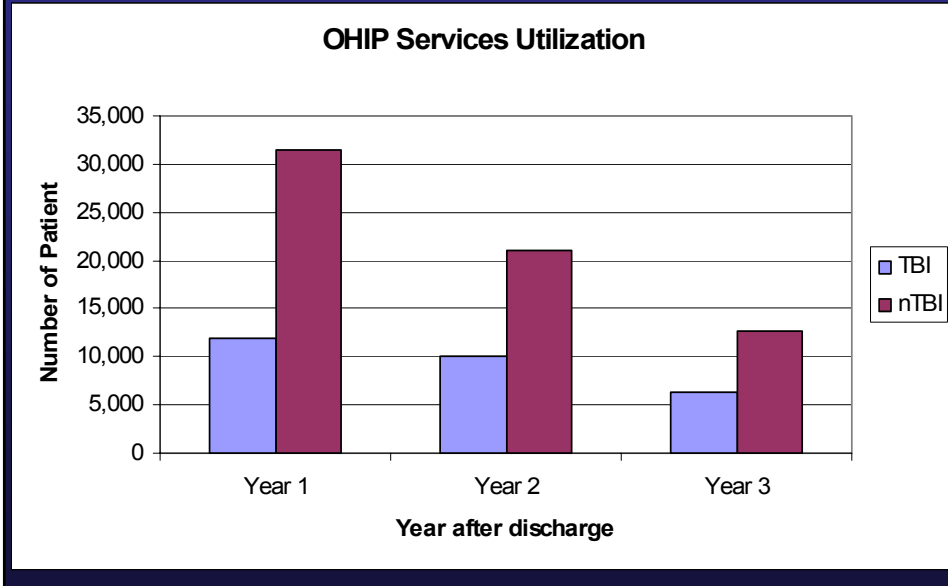
Utilization: Rehabilitation



Utilization: Home Care

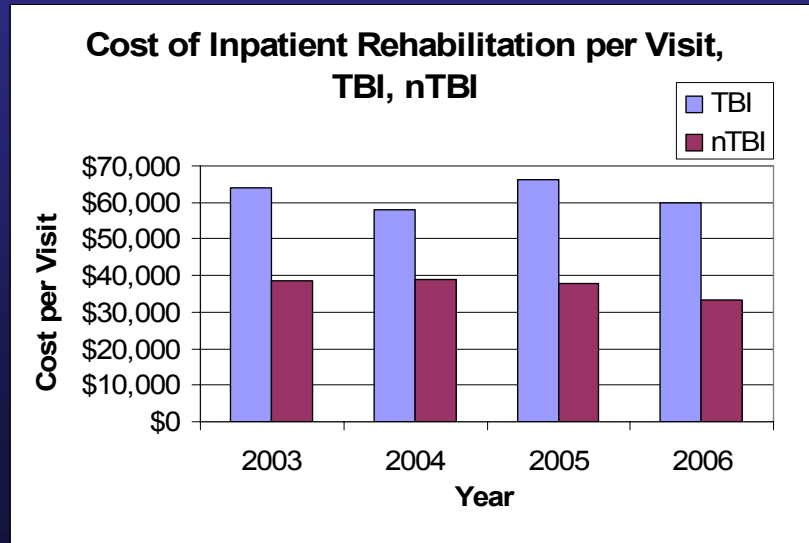


Utilization: OHIP

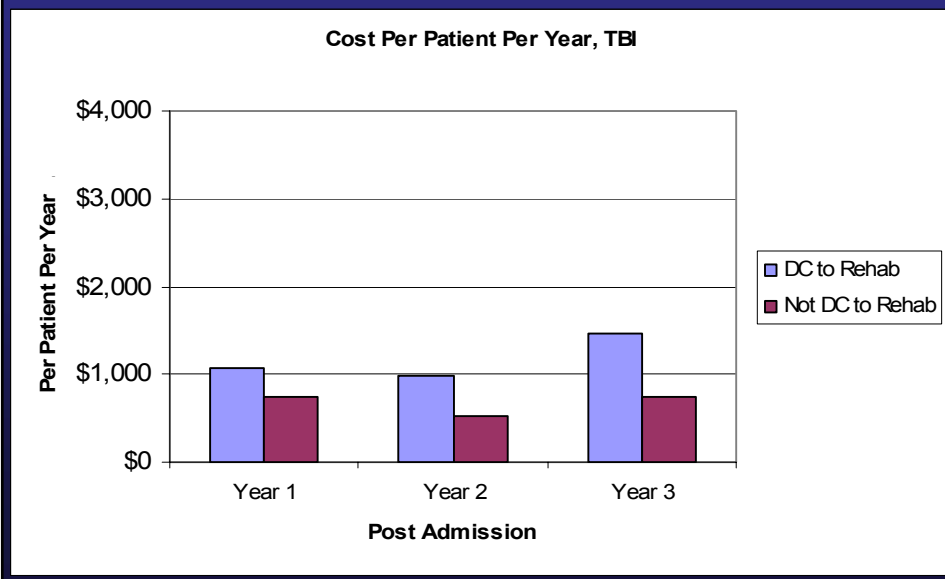


Results:
Costs

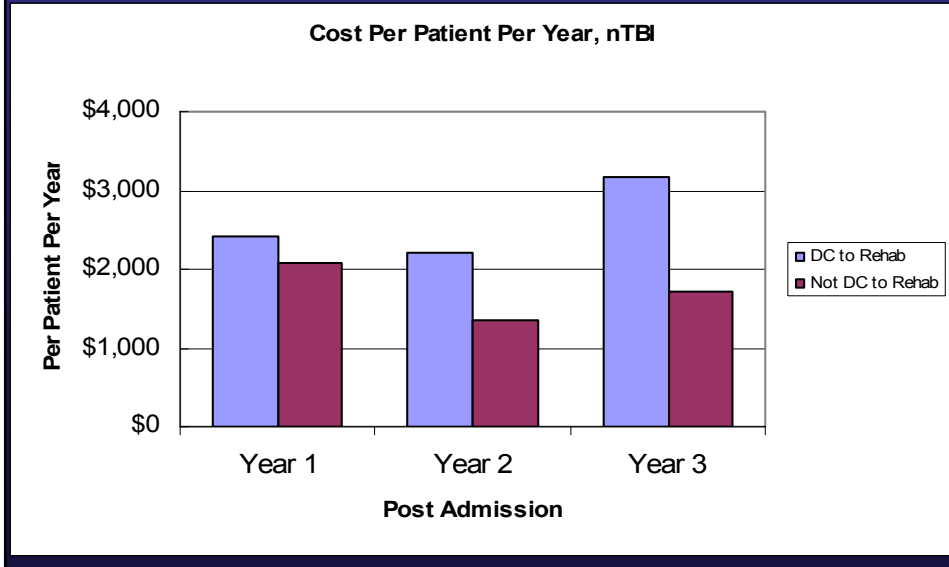
Rehabilitation Costs, per visit, from 2004-2006



Home Care Costs per person per year, TBI, by discharge location

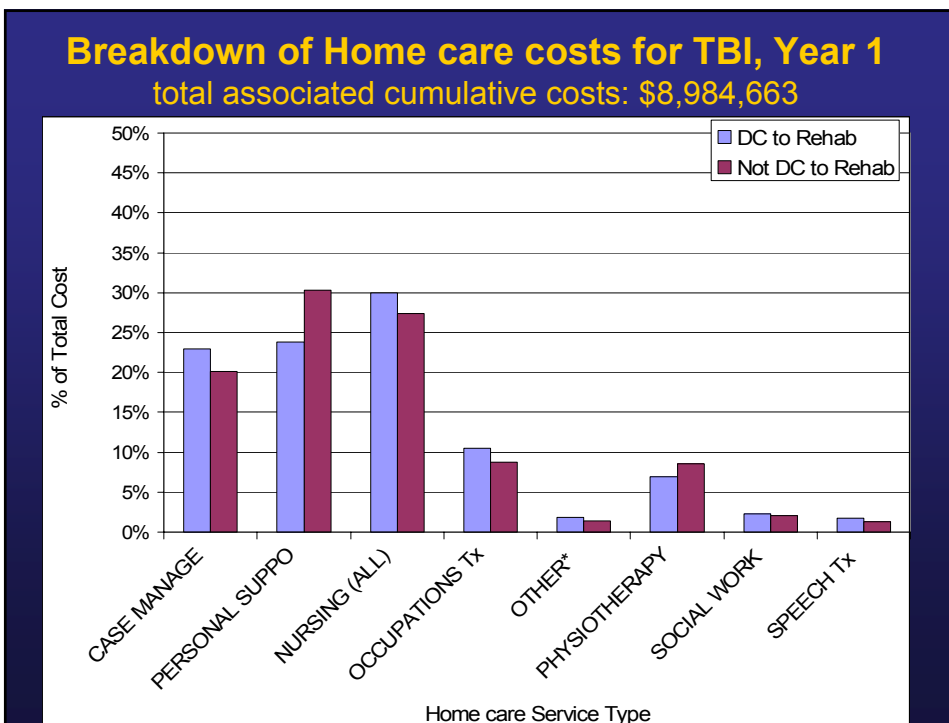


Home Care Costs per person per year, nTBI, by discharge location



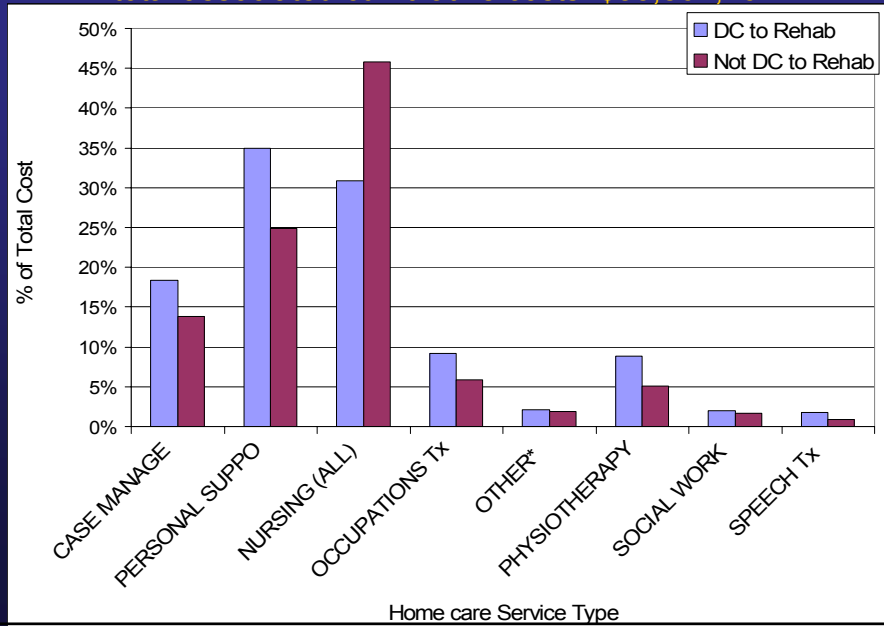
Breakdown of Home care costs for TBI, Year 1

total associated cumulative costs: \$8,984,663

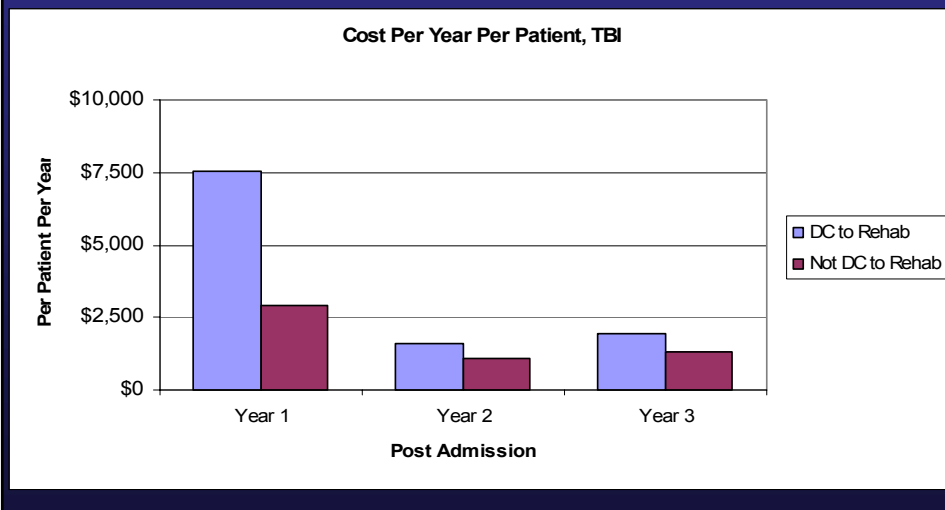


Breakdown of Home care costs for nTBI, Year 1

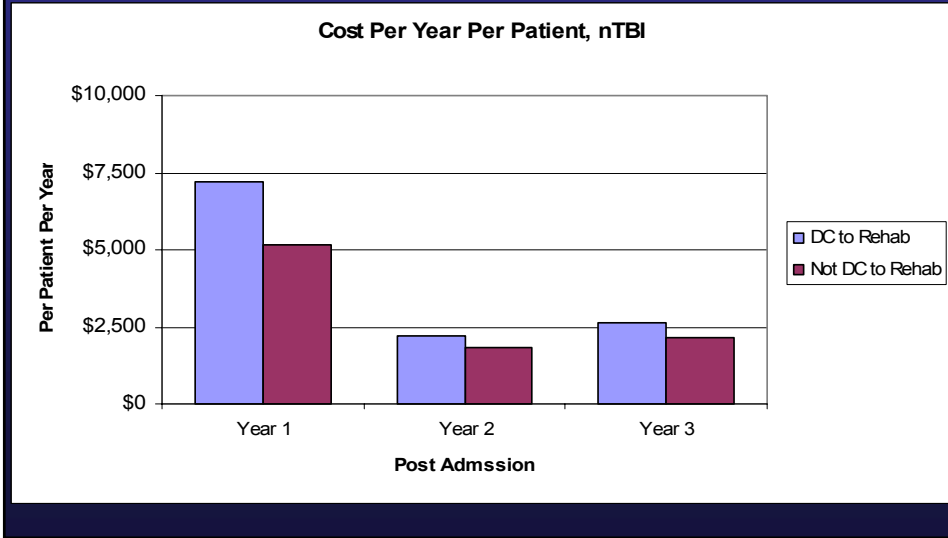
total associated cumulative costs: \$53,861,204



OHIP Service Costs per patient per year, TBI, by discharge

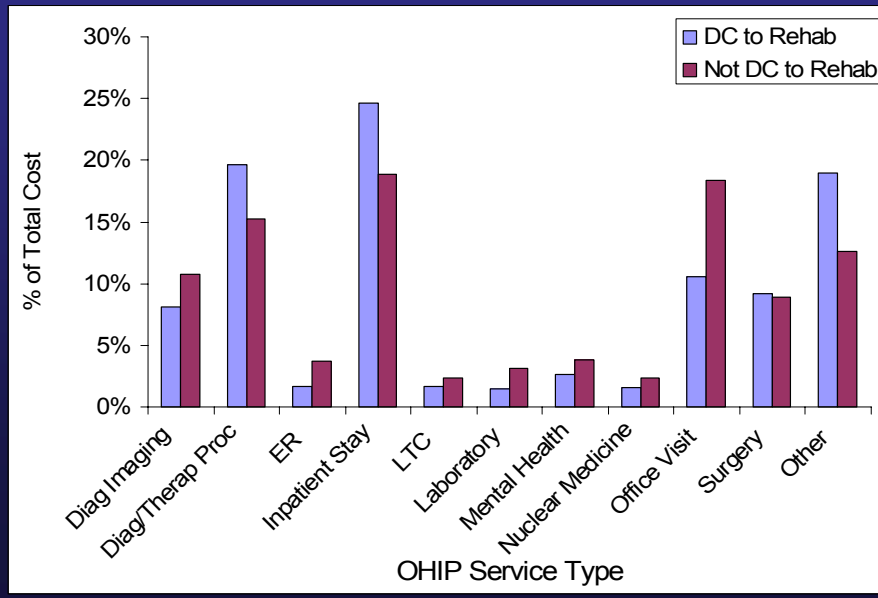


OHIP Service Costs per patient per year, nTBI, by discharge



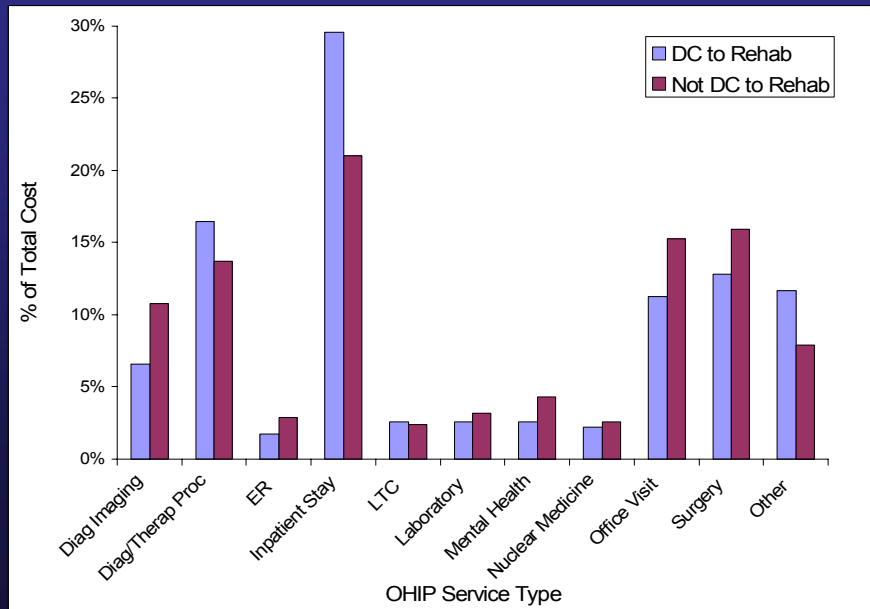
Breakdown of OHIP costs for TBI, Year 1

total associated cumulative costs: \$38,804,782



Breakdown of OHIP costs for nTBI, Year 1

Total associated cumulative costs: \$137,077,787



Feedback

- Utility of the data
- Accessibility of the data
- Gaps in data



ABI Dataset Access

www.onf.org

Go to *ABI*

Click on *Program in Action*

Go to *ABI Data*

To access pdf reports directly use the following links:

Executive Summary:

<http://tinyurl.com/abiexec>

Full Report (Phase 1):

<http://tinyurl.com/abifull>

Key Messages:

<http://tinyurl.com/abikeymsg>

Fact sheets

1, Demographics:

<http://tinyurl.com/abifact1demo>

2, ALC:

<http://tinyurl.com/abifact2ALC>

3, LHIN:

<http://tinyurl.com/abifact3LHIN>