



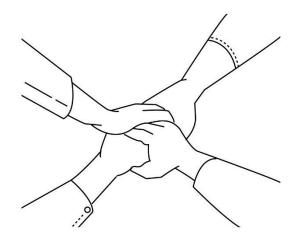
About Brain Injury



Acquired Brain Injury (ABI) Program

Table of contents

	Page
Introduction	1
How does the brain work?	1
Part 1 – What is an Acquired Brain Injury (ABI) and Traumatic Brain Injury (TBI)?	3
Part 2 – Rehabilitation	11
Part 3 – Physical changes	19
Part 4 – Changes in thinking, behaviour and mood after a brain injury	35
Part 5 – Towards the future	45



Introduction

Brain injury is the leading cause of disability in children and adults. All brain injuries are different. You may have problems and symptoms that can be very similar but also very different from that of another person. The consequences of a brain injury affect you and also your family and your relationships.

This booklet was created to help you and those close to you understand brain injury, what you can expect and what you can do.



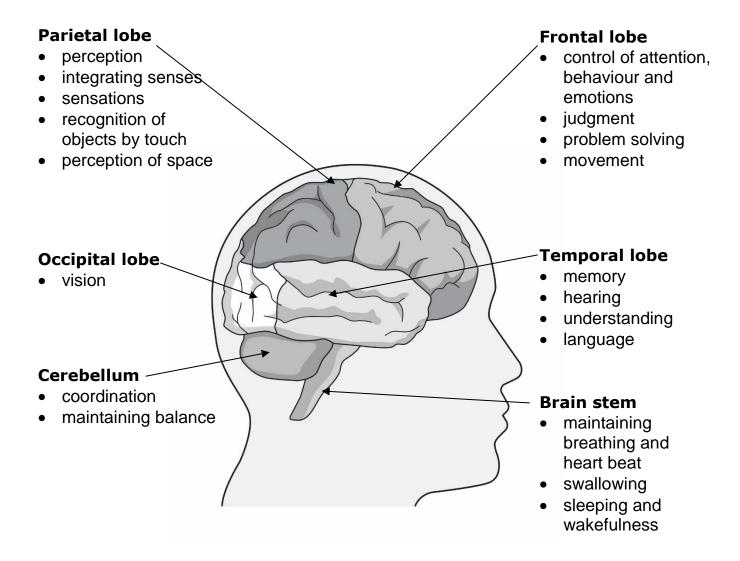
How does the brain work?

The brain is the body's control centre. The brain controls our:

- movements
- thoughts
- feelings
- senses: sight, hearing, touch, taste and smell



Each part of the brain has a different job or function.



Part 1:

What is an Acquired Brain Injury (ABI) and Traumatic Brain Injury (TBI)?

In this part you will learn:

• the consequences or symptoms of a brain injury

An Acquired Brain Injury (ABI) is damage to the brain that happens after a person is born. This damage can result from many causes. The two types of causes are traumatic and non-traumatic:

- Traumatic causes or a Traumatic Brain Injury (TBI), can result from physical trauma to the brain. This trauma can be caused by an injury from playing sports, falling, an assault, a motor vehicle accident or neurosurgery.
- Non-traumatic causes include a stroke, brain tumors, infections in the brain, poisoning, brain swelling, loss of oxygen to the brain, heart attack or substance abuse. They do not involve conditions that are neurodegenerative such as dementias.

What are the consequences or symptoms?

The consequences or symptoms of a brain injury are complex and can be very different between people. People with brain injuries can have different consequences because the brain controls almost every aspect of our lives such as our:

- physical skills and abilities
- thinking skills
- social skills and knowledge
- emotions
- behaviour and desires

An injury can affect specific areas of the brain or can affect many different areas. This is why the symptoms or consequences can be so different between different people.

Some symptoms or consequences will show up right away while others may develop over a few days.

The consequences of an ABI often require making a major life adjustment around the person's new circumstances. Making that adjustment is a critical factor in recovery and rehabilitation. While the outcome of a given injury depends largely upon the nature and severity of the injury itself, the right treatment plays a vital role in determining the level of recovery.

Things to consider:

The severity of the injury

Brain traumas are classified as concussion**, moderate or severe injuries.

These levels describe the amount of trauma that has occurred to the brain. Some of the factors that affect the level of severity include:

- The length of post traumatic amnesia (PTA) or the amount of time the person is conscious but is not forming or making new memories.
- The level of consciousness. The Glasgow Coma Scale (GCS)
 measures level of consciousness on a 15 point scale (3 being
 lowest level and 15 is fully conscious).
- Neuroimaging results. CT scan or MRI scans are usually
 used to evaluate if there are larger areas of local damage
 or injury. For injuries to be seen on such scans they are
 usually larger in nature. Many injuries do not show up on scans.
- ** For more information on concussion, refer to the HHS patient education handout "Head injury and concussion". If you would I like a copy of this handout, ask your health care provider or go to the HHS patient education library at www.hhsc.ca/pedl and search for "brain injury".

What the injury involved

A brain injury can involve:

- bruising or swelling of tissue
- stretching or tearing of nerve fibers that connect cells
- breaking or tearing of blood vessels
- changes in brain chemistry can cause toxic chemicals to be released to the brain cells.
- a lack of oxygen that causes brain cells and nerves to die

Part 2: Rehabilitation

In this part you will learn:

- about rehabilitation
- who is on the rehabilitation team
- your role in rehabilitation

What is rehabilitation?

The purpose of rehabilitation is to help you understand your injury and learn skills and strategies to function as independently as possible in your home, community, work place or in all of these areas. This may include:

- relearning old skills
- learning new skills
- participating in new activities

Rehabilitation after a brain injury occurs in hospital and in the community. The type and length of rehabilitation will depend on your needs, goals and your progress. Rehabilitation is an ongoing process where you take part in activities that you find important. This can be done within a specialized rehabilitation program, a community based program or in the context of your daily life activities.

What is a Specialized Rehabilitation Program?

A Specialized Rehabilitation Program typically involves a specialized team of health care providers who will design a program based on your individual needs. Different professionals may be involved for different people and at different times because each person with a brain injury has unique needs.

Your health care team can involve these members:

Team Member	How They Help
Physiatrist (Medical Doctor in	monitors your health
Rehabilitation)	 prescribes and reviews medications and procedures
	orders tests and treatments
Neurologist	specializes in headache management and
	monitors your health
	prescribes and reviews medication and
	procedures
	orders tests and treatments
Registered Nurse	cares for your medical and nursing needs
and Registered Practical Nurse	gives medications and teaches you or your
	family to manage medications
Physiotherapist	helps you regain strength and range of motion
	in joints and muscles
	 helps the person with walking, balance, fitness,
	strength and coordination

Team Member	How They Help
Occupational Therapist	 assesses and recommends ways that help with daily tasks such as eating, dressing and using the bathroom assesses equipment needs completes home assessments, including household chores assess skills needed to return to work
Social Worker	 helps you and your family cope with changes in your lives provides emotional support and resource counseling and referral
Speech-Language Therapist	 helps with spoken and written communication problems assesses and makes recommendations for managing swallowing problems if needed
Rehabilitation Therapist	 helps you relearn and practice skills with everyday activities such as dressing, walking, doing chores helps you explore leisure activities at home or in the community works with registered health care providers to determine how best to carry out these activities

Team Member	How They Help
Registered Dietitian/ Dietetic Assistant	 assesses your nutritional needs and provides a specific diet if needed provides nutritional education to you and your family
Therapeutic Recreationist	 assesses interests and introduces new activities provides links to recreational/leisure resources in the community
Neuropsychologist	 assesses changes in thinking and emotion after brain injury and may provide counseling. explains the results and meaning of neuropsychological tests — which assess thinking and emotions
Psychometrist	 works with the Neuropsychologist does a variety of tests to assess how the person thinks and feels
Behavioural Psychologist	 assesses and treats changes in behaviour guides team members to manage behaviour problems
Behaviour Therapist	works with Behavioural Psychologist to implement specific ways to manage behaviour problems

About Brain Injury

Team Member	How They Help
Neuropsychiatrist	 assesses problems in thinking, mood and behaviour prescribes medication to help manage symptoms
Respiratory Therapist	 provides breathing assessments, oxygen therapy and treatments to help with breathing problems

Your role in rehabilitation

Your team will monitor your progress on a regular basis. They will also modify the activities as needed.

The team will provide you and those close to you with information and support to keep up-to-date. Your family will be encouraged to observe and participate in some of your therapy sessions.

A notebook is helpful to keep track of information



A notebook is helpful to keep track of information and your questions and concerns for the team.

When you are ready to be discharged by your team, they will work closely with you and those close to you to prepare for discharge. Referrals may be made to other professionals, programs, services, or community-based activities.

The focus of recovery is about regaining as much as possible that was lost, but also about learning to accept and deal with the changes that have occurred.

ADO	out Brain	injury	

Part 3: Physical changes

In this part you will learn about some of the physical changes that could happen after a brain injury:

- movement
- joints
- pain
- senses
- communication
- seizures
- breathing
- arousal

- weight
- swallowing
- bladder control
- bowel control
- skin
- fatigue
- · drugs and alcohol

Movement

A change in the ability to move is one of the most common issues after a brain injury. Physical changes can affect the way that you are able to move and carry out daily routines. You may have one or more of these changes:

- paralysis or weakness causing decreased use of one or both hands and/or legs
- poor balance
- low endurance
- difficulty planning movements
- poor coordination
- muscle stiffness, tension or trembling
- unable to control the trunk of your body

Your health care team will work with you to determine the treatment to keep you safe and allow your independence. This may include:

- therapy (exercises and activities)
- use of special equipment such as walkers or splints
- medications
- surgery

Joints

Changes to your joints can occur as a result of your brain injury.

Your health care team will recommend exercises, medications and other treatments to improve your function.

Heterotrophic Ossification

As a result of chemical changes to the brain, extra bone may form around the joints. Heterotrophic ossification may be extremely painful and restrict movement. Treatment includes exercise. Medications may also be helpful.

Subluxation

As a result of damage to the message pathways to the muscles around the shoulder, the ligaments and tendons may overstretch due to the weight of the arm. This pulls the arm out of the shoulder joint. This is called subluxation. It may be very painful and restrict movement.

Treatment may include use of pillows, slings and lap trays to avoid more damage. Heat, ice, gentle movement or medications may help with the pain.

Contractures

Due to changes in brain activity, contractures could also occur.

A contracture is when muscles or tendons become
permanently shortened. This causes a limb to become deformed.

Splints and ongoing therapy may help. In some cases contractures may require surgery, casting or both.

Pain

Pain and headaches can result after a brain injury. This can make it hard to concentrate or remember and take part in daily activities. Pain can also affect sleep and mood.

Your health care team can help you learn how to manage your pain or recommend medications that may reduce your pain.

Senses

Any of the senses such as, hearing, vision, taste, smell and touch, may change after an injury. This may be the result of damage to:

- the area of the brain that controls that sense
- the sensory organ itself, such as damage to the ear
- the nerve carrying the messages from the sensory organ to the brain

You may have any of these sensory problems:

- over-sensitivity to touch this may result in withdrawing,
 crying, yelling or striking out when touched
- inability to feel pain, touch, hot or cold
- inability to see certain objects in view
- loss of vision, double or blurry vision, sensitivity to light
- lack of attention to one side of the body or room this is called neglect
- changes in sense of smell or taste
- ringing in the ears, intolerance to noise
- sensitivity to movement or lack of awareness of movement
- inability to understand where limbs are located in relation to the body and surrounding space

Your health care team will provide you with rehabilitation activities to help you become more aware of any changes and strategies to help.

Communication

You may have problems communicating after a brain injury. Communication changes may result depending on the part of your brain that was affected.

Some speech problems involve:

- making sounds
- pronouncing words

Some language problems involve:

- expressing thoughts
- finding the right words
- understanding what people say
- difficulty reading and writing

Your health care team will help you understand and express yourself. Speech therapists are trained to assess and treat communication difficulties.

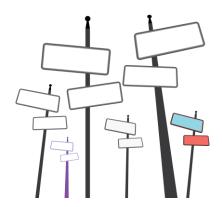
They will recommend therapy and strategies to help you communicate. There are some tests that may be recommended to help the team understand the changes that you have experienced.

Seizures

Seizures can occur after a brain injury. Seizures are caused by disturbances in the electrical activity of the brain. During a seizure, the brain's ability to control normal movement is mixed up which can cause temporary changes. There are different types of seizures. You may not know that a seizure has occurred. It is important for your family and health care team to be able to recognize a seizure. Some people have warning signs that a seizure may happen including dizziness, nausea, vision changes, headaches, or feeling anxious.

Signs that you may be having a seizure include:

- involuntary movement such as spasms, jerking of arms, legs and/or head
- loss of bowel and bladder control
- changes in normal eye movement
- noises such as grunting or groaning
- unresponsiveness
- drooling
- changes in sensation



Seizures may occur early after the injury, or not until months or years later. They can be triggered by:

- lack of sleep
- stress
- high fever or infection
- very high or low blood sugar levels
- drinking alcohol
- medications

If a person has had seizures, activities such as driving a car or operating heavy equipment is unsafe. Your driver's license may be suspended until seizures are controlled.

Most seizures can be prevented or controlled by medication.

Breathing

Certain brain injuries may impact your ability to breathe on your own. You may need a breathing tube put into your trachea, called a tracheostomy, to help you breathe easier. If a tracheostomy is recommended for you, your doctor, nurses and respiratory therapist will work closely with you to improve your breathing. If you are well enough to breathe on your own, the tracheostomy will be removed.

Arousal

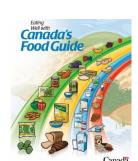
Arousal is your ability to be alert. Depending upon your injury, your level of arousal can vary, especially in the first stages of recovery. To make the most of your rehabilitation, the team will schedule activities during periods when you are alert. Medication may help to increase arousal. Arousal can improve with recovery.

Weight

Weight loss right after an injury is not unusual. One reason is the high level of physical stress on your body. Another reason is that you may not feel hungry. To prevent further weight loss, you may need to be reminded to eat or be provided with frequent small snacks and meals.

Some people may gain weight. This can happen because you may not be able to tell when your stomach is full or you may forget that you already ate. Changes in activity and the way the body burns calories may cause weight gain as well. A lower calorie diet with fewer snacks and regular exercise can help to prevent weight gain.

People who have had a brain injury have the same need for nutrition as everyone else. This means eating a healthy diet based on Eating Well with Canada's Food Guide. The food guide includes a balance of vegetables and fruits, meats and alternatives, milk and alternatives and whole grains.



Swallowing

After a brain injury, your ability to swallow may change. You may not be able to chew and swallow regular foods or drink liquid because the muscles you use are not moving correctly. You may need a special diet to help make it easier to swallow. This includes foods that have a modified texture or drinks that are thickened.

A swallowing assessment can help to determine your risks and needs. A speech therapist will recommend the types of foods and drinks that you should have, the amount of help you need, exercises and other strategies to help you.

If you cannot swallow safely or you are not able to eat enough, you may need a different type of food to get enough nutrition and calories. A tube may be put into your nose, stomach or small intestine. Liquid food and water is sent through this tube. You may need this temporarily or for a longer term. Your health care team will monitor and introduce foods when your swallowing improves.

Bladder control

Loss of bladder control is common after a brain injury. Tell your doctor and health care team about any concerns you have related to your bladder routines so that they can help you manage your bladder as independently as possible.

A brain injury can affect the bladder in these ways:

- the bladder may be overactive or underactive
- you may not feel the urge to urinate, know what to do or be able to communicate to others

Your health care team will monitor your bladder function to help you manage your bladder control. Sometimes, you may need medical tests to properly asses the function of your bladder.

A urologist is a specialist who may be consulted if bladder control is related to a medical issue. Sometimes medications may be prescribed to help.

Common strategies that may be recommended:

- taking regular bathroom trips (every 2 to 3 hours)
- drinking enough fluids
- using equipment and getting the help you need to maintain your safety using the bathroom
- using a condom drainage system for males a condom drainage system is a condom with a tube leading to a urine bag
- using intermittent catheterization where a catheter is inserted into the bladder through the urethra — the bladder is then drained and the catheter is removed
- using an indwelling catheter, which is left in the bladder
- wearing briefs, if only temporarily or when needed, such as for outings

Bowel control

Loss of bowel control is common after a brain injury. It is important to tell your doctor and health care team about any concerns you have related to your bowel routines so that they can help you manage your bowels as independently as possible.

A brain injury can affect the bowels in these ways:

- the bowels may become overactive or underactive, causing either many loose bowel movements or constipation
- the bowels may not empty completely
- you may not feel the urge to move your bowels, know what to do or be able to communicate to others

Common strategies that may be recommended to promote regular healthy bowel routines:

- using equipment and getting the help you need to maintain your safety using the bathroom
- eating a healthy diet this includes foods high in fibre, such as whole grain products, fresh vegetables and fruits
- drinking lots of fluids hot drinks may also help
- maintaining a regular routine
- using proper positioning in a bed or chair

- maintaining overall muscle fitness and regular exercise
- sitting on a commode in an upright position
- using a stool softener, laxative or suppository as needed

Skin

Changes to the skin are common after a brain injury. Check your skin routinely for any sores, abrasions or changes in colour.

Pay special attention to your feet, back and buttocks.

These changes are common:

- skin sores may be caused by rubbing the skin on sheets or clothing too often or by not moving enough. When a person does not move enough, the weight of the body restricts blood flow which causes tissue to die. This can result in a pressure ulcer. This happens most often on a bony area such as the skin over the tailbone, ankles, heels, elbows or ears.
- rash may be caused by contact with urine or bowel movements, or by sensitivity to briefs.
- bruises or cuts may be caused by improper transfers from bed to chair or neglect of a paralyzed limb.
- acne changes to the brain may signal the oil glands in the skin to work very hard. This can cause acne on the face, back or chest. Acne may also be caused by some medications.

Your skin needs to be cleaned regularly with a mild pH balanced cleanser during a shower or sponge bath. While in bed, change your position at least every 2 hours and shift your weight every 15 minutes while up in a chair or wheelchair. Special cushions or mattresses may also help. Eating healthy foods such as fruits, vegetables and foods high in protein and getting enough fluids can promote healthy skin.

Fatigue

It is common to have fatigue after a brain injury. At first, your body needs extra rest for your injuries to heal. As you become more active, there is greater demand on your body's energy. You may also have mental fatigue. Your brain may feel overloaded making it harder to think and learn.

It is important to balance your activities, schedule activities for shorter periods of time, followed by a rest period. As you recover, you may be able to do longer activities with shorter rests.

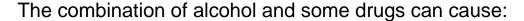
You may have difficulties sleeping. Change in the quality of sleep is common after a brain injury. Your health care team can give you suggestions to help you sleep better or recommend medications.



Drugs and alcohol

The use of recreational drugs or alcohol is not recommended. Alcohol and drugs that are not prescribed by your doctor can:

- make balance and coordination worse,
 which increases your risk of falling
- further reduce self-control
- affect recovery of brain cells



- seizures
- visual problems
- additional loss of brain cells
- unpredictable reactions to medications

If substance use is a concern, your health care team can help by providing you with education, strategies and support to help you manage.





Part 4: Changes in thinking, behaviour and mood after a brain injury

In this part you will learn:

- mood changes
- adjustments
- professional support
- brain injury support groups

A brain injury can change the way you think, behave and feel (mood). You may not notice these changes as much as physical changes after a brain injury, but they can affect how well you are functioning.

Changes in the way that you think, behave and feel (mood) will depend on:

- which area of your brain was injured
- the type and severity of the brain injury
- how recently the brain injury occurred

You may not experience any changes in the way you think, behave or feel (mood), while others may have a significant change in one or more other areas of functioning. Each survivor is unique.

Here are general guidelines for identifying and managing some of the more common changes in thinking, behavior and mood that may arise after a brain injury.



Changes in mood

Behaviour or Emotion	What You May Experience	What You Do
Irritability	 get angry quickly verbal or physical outbursts such as yelling or cursing can't interpret situations accurately can't perform simple tasks well worry about small things 	 find a calm, relaxed setting play your favourite music do not confront others find your unique way of relaxing or calming yourself down
Emotional Lability (not able to control emotions)	 mood swings excessive laughing or crying difficulty controlling emotions emotions don't always fit with the situation 	 do not be self critical acknowledge the times you show self control look to others to help you develop strategies to be calm
Depression (occurs in 50% of people after a brain injury)	 cry often appetite and sleep patterns are changed lack motivation withdraw from social contacts thoughts of suicide or harming yourself 	 use activities and exercise to get your mind off negative/sad thoughts reflect on what is happening that is positive in your life engage in reinforcing/pleasant activities If suicidal thoughts are expressed,
		seek professional help right away.

Behaviour or Emotion	What You May Experience	What You Do
Disorientation	 speech is disorganized and thoughts are not connected mix up facts with fantasy not sure where you are or the identity of others mix up sequence of events 	 use calendars, pictures and photo albums to help with review details like who and where you are, date, and so on talk about familiar things and people
Egocentricity	 focused only on yourself and insensitive to the feelings of others misinterpret other people's responses or actions 	listen to other peoples feedback about your behaviour
Denial	 cannot admit to problems that others are pointing out to you always make excuses for not doing or completing things 	 listen to the input of others be open to discussion about your activity or behaviour
Changes in eating patterns	 forget to eat constantly eats secretly eats frequently complaining of hunger despite having recently eaten do not feel hungry 	 seek medical advice schedule regular meal times try to keep a regular routine eat with other people keep healthy snacks around the house

Behaviour or Emotion	What You May Experience	What You Do
Changes in communication	 talk constantly or very little do not remember previous discussions do not take part in or initiate conversation can't come to a conclusion or a solution can't stop talking, even with reminders can't take turns in 	 listen to feedback from friends and family use recommended strategies from the Speech-Language Pathologist consult a health care professional
Forgetfulness	 can't consistently remember events recall information slowly forget to complete tasks 	 seek a quiet, calm setting ask people not to interrupt you use aides to help you remember this may include a cellphone, ipad/tablet, alerts, white boards, memory book, calendars and clocks or watches listen to feedback ask or listen to clues when clues don't work, tell the person to give you the missing information help retrain the memory by providing a recap of recent events or activities
Impulsivity	speak or act before you thinktaking unnecessary risks	 think before you act or speak ask someone you trust about possible risks before you act

Behaviour or Emotion	What You May Experience	What You Do
Agitation or restlessness	 feel unsettled and your body feels tense can't sit still or pace aimlessly unusually irritable over-react (such as yelling, destructive 	 go to a quiet setting and reduce distractions and/or irritants - talk yourself down try relaxation strategies such as deep breathing exercises, meditation and visualization do something you enjoy consider talking to someone
Perseveration	 talk repetitively or endlessly about one thing cannot change the topic in your head 	 try to force your attention onto something else listen to the feedback of others let others to re-direct you to another topic or activity
Lack of initiation	 unable to follow through on a plan cannot get started on a task even though you want to complete it 	 break down an activity into smaller steps allow others to start the task with you follow written instructions on how to complete the steps
Lack of motivation and apathy	 decreased interest in activities has no desire to carry on with any activities give up easily resist encouragement to try an activity or to try it again seem indifferent towards loved ones and/or about activities previously enjoyed 	 find activities the person might enjoy help the person find a role to play that will be meaningful to them support any involvement in an activity, even if the person needs to leave early encourage the person to try a task again, even if the first attempt was not successful

Behaviour or Emotion	What You May Experience	What You Do
High or low sexual interest	 may say inappropriate remarks about the opposite sex try to make inappropriate physical contact with others make inappropriate sexual advances persistent about sex 	 listen to people when they tell you that your behaviour is making them uncomfortable or is inappropriate realize that there are consequences to your behaviour consider counseling consider self-gratification options
Changes in Sleep Patterns	 unable to fall or stay asleep excessive sleep during the day 	 stay active during the day gradually reduce length of naps and increase activity keep bedtimes and waking times the same every day, even on weekends avoid caffeine, exercise and emotionally or mentally challenging activities before bedtime
Disorientation	 talk in a disorganized, disconnected way mix fact and fantasy unaware of your location, date, own identity or identity of others confuse time periods 	 use calendars, pictures and favourite music to orient the person review details like who and where you are, date, and so on talk about familiar things and people

Behaviour or Emotion	What You May Experience	What You Do
Verbal outbursts	 blurt out thoughts even if it is rude speak inappropriately curse excessively 	be aware of your reactions and the feedback of others and attempt to use physical or behavioural relaxation strategies
Anxiety	 constant and overwhelming worry or fear, such as asking "what if" questions or repeating certain concerns over and over difficulty relaxing or feeling restless or on edge irritable low energy or fatigue difficulty concentrating physical symptoms such as shortness of breath, heart palpitations, muscle tension, headaches, upset stomach or sweating problems sleeping, such as trouble falling asleep at night or waking up in the middle of the night 	 encourage deep breathing exercises and other relaxation techniques try to maintain a normal routine. Add structure to your day. Include positive activities but pace your activities throughout the day seek peer support (brain injury groups) and/or professional support

Adjustment

Although you had the injury, your family is also affected. The road to recovery is not neat and orderly; it may feel as if you are on a roller coaster of emotions. The impact of the injury will be different for each member of your family. There is no right or wrong way for them to feel.

Professional support

If you and your family are struggling to accept and cope with the changes after your brain injury, ask your health care provider for a referral to see a professional, such as a counselor.

Brain injury support groups

Brain injury support groups can help both you and your caregiver find ways to respond to new and challenging thoughts, behaviours and mood after a brain injury.

Some support groups have meetings just for you and also just for your family members and/or caregivers. See pages 71 to 77 for more information.



Part 5: Towards the Future

In this part you will learn about:

- community supports
- legal supports
- financial supports
- returning to school
- returning to work/productivity
- returning to driving
- quality of life
- helpful resources

Community supports

Many people continue to need ongoing support in their community for continued care, rehabilitation, return to school and work.

In most communities specific support and services are available. See pages 71 to 77 for more information.

Legal supports

In some cases it may be advisable to consult a lawyer.

Depending on how the injury took place, you may benefit from

working with a personal injury lawyer.

If you need help locating a personal injury lawyer, the Law Society of Upper Canada can provide you with a list of personal injury lawyers in your area. They can be reached at 1-800-668-7380 or through their website: www.lusc.on.ca

The Insurance Bureau of Canada can answer general questions about insurance rights at 1-800-387-2880 or through their website: www.ibc.ca/en

The Financial Services Commission of Ontario (FSCO) www.fsco.gov.on.ca can provide information on the insurance legislation.

The Automobile Accident Benefits Service (AABS) www.slasto.gov.on.ca/en/AABS, a branch of the Safety, Licensing Appeals and Standards Tribunals Ontario www.slasto.gov.on.ca, provides dispute resolution. If the insurance company rejects a claim for accident benefit(s), you may apply to AABS for help in resolving the dispute (1-800-255-2214).

Financial supports

Often with a brain injury, you may need to take time off work. Applying and being approved for benefits can take time so we suggest that you start right away. It can take months before you receive any benefits.

If you are employed, we suggest that you contact your employer first about your benefits.

Ask: What short term and long term disability does my employer provide? What are the terms of the policy? What forms must be completed?

Government benefits you may be eligible for:

- Employment Insurance (EI)
 - Sickness Benefits
 - Compassionate Care

- Canadian Pension Plan Disability (CPP-D)
- Ontario Works (OW)
- Ontario Disability Support Program (ODSP)

If you have questions or need help filling out the forms, contact a member of your health care team.

If your injury is a result of a criminal act, workplace injury or related to a motorized vehicle, talk to a member of your health care team about your options. There may be legal compensation or other opportunities available.

Employment Insurance (EI) Sickness benefit

Requirements

- Contribution based, you must have paid into to EI. It is NOT based on your assets or needs.
- Must have worked 600 hours in the last 52 weeks and made contributions.
- Is available to self-employed persons if they joined the El program.

Definition

- Unable to work due to sickness or injury.
- Medical certificate needed from doctor.

Process

- El applications are done on-line.
- Require Record of Employment (ROE) from employer (mostly done on-line).
- Need to apply as soon as possible after stopping work.
- A 2 week waiting period is served for all EI claims.
- It takes 6 to 8 weeks to receive first payment.
- Maximum 15 week benefit.

Amount

- 55% of average earnings to maximum of \$514/week (2014).
- Paid for maximum 15 weeks or time indicated by doctor on medical certificate.
- Must submit reports every 2 weeks.

Tips

- Mail medical report or drop off at Service Canada office.
- Can complete application at Service Canada office if you do not have a computer.

Employment Insurance (EI) Compassionate Care

Requirements

- Contribution based, you must have paid into to EI. It is NOT based on your assets or needs.
- Must have decreased work by 40%.
- Must have worked 600 hours in the last 52 weeks and made contributions.
- Must be providing care and support to a family member or loved one.

Definition

- Family member must be "gravely ill" and at significant risk of death within next 26 weeks.
- Medical certificate needed from doctor treating the family member/loved one.

Process

- Same as other EI applications; online.
- Submit Record of Employment, Medical Certificate, Release of Medical Certificate consent form.
- 6 to 8 weeks before first payment.

Amount

- 55 % of earnings up to a maximum amount.
- 26 week benefit.
- Benefits can be taken for up to 52 weeks
- Benefits can be shared among family members.

Other

 Can be transferred to a sickness benefit if person becomes ill before end of claim or within one year. Must file a medical certificate to do so.

For more information about El benefits search the website: servicecanada.gc.ca

CPP Disability (CPP-D)

Requirement

- Contribution based, you must have paid into CPP. It is NOT based on your assets or needs.
- Contributed 4 of the last 6 years OR contributed 3 of the last
 6 years and a total of 25 years of contribution overall.
- People over 18 and under 65.

Exceptions

- Contribution not made while child-rearing or collecting CPP-D.
- Under certain conditions a person may submit a late application for CPP-D. The Social Worker can discuss these conditions with you.

Definition

- Severe (unable to do any job).
- Prolonged (1 year from time of application or longer).

Process

- Application includes: personal information, questionnaire, consent forms and a medical report.
- Takes at least 4 months (or longer) to process application and make a decision.
- Will be sent "Notice of Entitlement" with start date and monthly amount along with any back or retroactive payments.

General information

- Benefits are taxable.
- Benefits for children; if less than 18, or if 18 to 25 enrolled full-time in school.
- Has return to work incentives and if your same disability returns within 2 years, benefits are automatically restarted once CPP is notified.
- No medication or dental coverage.
- The Trillium Drug Program (TDP) is available to assist with the cost of prescription drugs. Call 1-800-575-5386 to request an application form, or you may obtain one at your pharmacy. You may also download the "Application for Ontario Drug Benefits" and "A Guide to Your Application (ODB)".
 www.health.gov.on.ca

 The Assistive Devices Program (ADP) provides funding for assistive devices such as, wheelchairs, mobility aids, prostheses, braces, visual and communication aids or hearing aids. Contact the Ministry of Health and Long-Term Care, ADP, for further information at 1-800-268-6021.
 www.health.gov.on.ca/en/public/programs/adp

Tips for CPP-D

- Keep copies of all records.
- Contact Service Canada to request "Statement of Contributions" in order to know CPP-D monthly amount.

For more information on CPP-D

search the website: servicecanada.gc.ca

Ontario Works (OW)

A municipal program through Social Services. Basic monthly support to those in financial need (short term assistance).

Requirement

- Is asset-tested, must demonstrate financial need and limited resources and household income.
- You will need to provide financial information (previous income, housing costs, income tax, bank records, family size, assets) dating back several months.

Allowable assets

 There is a list of allowable assets, such as your home, that your worker can review with you. They will not include these assets when figuring out what is available to you.

Three categories for OW

- Employable.
- Restrictions to participate because temporarily ill or caring for an ill person.
- Disabled, a permanent barrier to employment and will be applying for Ontario Disability Support Program.

Process

- Online application.
- Contact local office for telephone application.
- Then, intake appointment (if long term disability then inform OW worker so ODSP application can be started).
- Payment usually within 4 working days.

Other benefits

- Ontario Drug Benefit card (ODB).
- Other benefits both mandatory and discretionary.
- Please discuss your specific situation with your worker.

For more information on OW

search the website: www.mcss.gov.on.ca

or call 905-546-4800 (Hamilton)

Ontario Disability Support Program (ODSP)

A provincial program through Ministry of Community and Social Services.

Requirement

- Is asset-tested for those with a disability and financial need.
- Must verify limited assets and household income from all sources.
- Will need to show financial records from several months back.

Allowable assets

 Some assets are allowable, which your worker can review with you. They will not include these assets when figuring out your benefits.

Definition of disability

- A Disability Determination package will be given to you containing:
 - Health Status Report for doctor
 - Activities of Daily Living report for your doctor or allowable health professional
 - Self report
 - Consent form

 Disability: Substantial physical or mental impairment, continuous or recurrent, lasting one year or more, and limits your ability to work, look after yourself or function in the community.

Process

- Online or contact local office for telephone application.
- Scheduled appointment to supply required information.
- Must demonstrate financial need to continue application, then disability is determined.
- Takes 4 to 6 months.
- If you have qualified for CPP-D, then you do not need further medical clearance from ODSP. Must just meet asset determination.
- If you have immediate financial needs then you must apply for OW.

Other benefits

 Please discuss any other benefits with you ODSP worker such as medication coverage.

For more information on ODSP search the website: www.mcss.gov.on.ca or call 905-521-7280 (Hamilton)

Senior benefits (if you are 65 or older) that may be available

If you are over 65, you currently receive a pension income. You do not need to apply for further disability income. If you have areas of financial need, please speak with a Social Worker about your concerns.

Income sources for seniors

For more information on the below benefits search the websites:

- Service Canada www.servicecanada.gc.ca
- Canada Pension Plan (CPP)
- Old Age Security (OAS)
- Guaranteed Income Supplement (GIS)
- Ontario Guaranteed Annual Income System (GAINS)
 http://www.fin.gov.on.ca/en/credit/gains/

Returning to school

If you wish to return to school, contact the school last attended or the Board of Education.



- You will be directed to Special Education.
- You will develop a learning plan with the Special Education
 Department and your team.
- You may be eligible for an Educational Assistant.

If you are 16 to 18 years old and not in school right now, you may choose to:

- Start regular school with a full or reduced course load.
- Take correspondence course and work at home.
- Sign up as a mature student for night school.

Colleges and universities also have services for special needs students that include:

- Teaching study skills.
- Providing special equipment to assist learning.
- Giving information about bursaries for tuition, books and disability related equipment.

Returning to work/productivity

Returning to work and/or productive activities following a brain injury may include several steps. Work with a health care provider to return to activities such as:

- volunteer work
- hobbies
- new activities
- returning part-time, returning to work on modified duties, and/or returning to full-time work

There are vocational assessment services that can assess your work skills. They also provide work retraining programs. Discuss these services and your options with your team.

Returning to driving

In Ontario, your doctor must report to the Ministry of Transportation (MTO) that you have had a brain injury. This is because it might be dangerous for you to drive a car.



The rules in Ontario are:

- Your doctor must assess your readiness to drive.
- You may return to driving if you have no major changes in:
 - your vision
 - your physical skills
 - your thinking such as problem-solving or judgment
 These areas must be assessed by your health care team.
- When your doctor is not sure if you are ready to drive, he or she may tell you to go to a special driving centre for more tests.

When can I be tested for driving?

This is decided on an individual basis. You need to discuss this with your occupational therapist, neuropsychologist, your doctor or specialist.

What is the process for getting my license back?

The timing is different for everyone. This is because brain injuries affect everyone differently. Your health care team can help you decide when you are ready.

Do not drive during this time because the Ministry of Transportation (MTO) was told about your injury:

- You will receive a letter from the MTO that will tell you first if your license is suspended.
- The letter will also tell you the steps you should take to get your license back.

The steps to get your license back can include:

- The MTO may ask you to get a letter or have a form filled out by your family doctor or specialist.
- The MTO or your health care team may require your driving skills to be tested. This is called an assessment and may include:
 - o a written test
 - o an on-road driving test
 - a vision test
 - a cognitive test

Ask your health care provider about
Ministry of Transportation Approved Driving
Assessment Centres in your area where you can
take these tests. See the following website for
more details www.mto.gov.on.ca

What is a driving assessment?

There can be two parts to a driving assessment.

Part One: Pre-road tests

- Your health care team will either do these tests with you at the hospital or at a driving centre.
- They look at your vision, judgment, thinking and physical skills.
- These tests will show whether you are ready for the on-road test, you need more practice or you should think about different options.

Part Two: On-road test

- This test will be done in a car with a Certified Driving Instructor.
- They will look at your driving skills, such as safety, following directions and your physical ability to drive a vehicle.
- You will have to cover the cost, which is about \$500 to \$800.
 This is why it is important you wait until you are ready.

You must be referred for the driving assessment by a doctor.

What will the driving assessment tell me?

- 1. You can return to driving.
- 2. With changes made to your car, you may be able to return to driving.
- 3. It is too soon to return to driving, you need drivers' rehabilitation. After practicing or learning new ways to drive, you may return to driving.
- 4. You are not able to return to driving.

What if I am no longer able to drive?

This may be a very hard time for you and your family. It is normal to feel upset, angry, or a sense of loss. It may be hard to accept this decision, but there are other options for you.

Ask your health care team members about resources in your community that can help you get to places you need to go.

Quality of life

Having a brain injury impacts every person differently. It is important that you continue to live your life and be involved in meaningful activities and roles that reflect your interests, goals and abilities.

You may find that many things have changed such as your priorities, routines, and demands on your time. After a period of adjustment, life will settle into a new routine.

Making healthy life choices will help you recover and have a better quality of life.

Eat well

Try to eat three meals a day at about the same time each day. If you have questions about what to eat, check with your family doctor; he or she may refer you to a dietitian. Healthline www.healthline.ca is an on-line resource that may also be able to help you with questions or concerns.

Sleep well

Lack of sleep can limit your ability to think clearly and make good decisions. It also affects your physical health, since your body repairs and rejuvenates itself during a normal sleep cycle.

Exercise regularly

Be active for at least 20 minutes each day.

Avoid substances

Avoid substances such as alcohol and street drugs.

Avoid smoking

Talk to your doctor or health care professional about strategies to help you quit.

Stress management and pacing

- Use relaxation exercises
- Decrease obvious stressors
- Engage in enjoyable activity
- Stay mentally and physically active
- Enjoy family and friends

Set goals

Setting realistic goals will help you to stay focused and be successful. Share your plan and involve family and friends and caregivers so that they can support you.

Explore your interests

Many individuals may find themselves with more free time available. Make use of the free time that you have. Choose activities that you have enjoyed in your past or that you would like to try.

It is important that you understand your abilities when choosing activities and seek help as needed to be successful. All activities offer opportunities to practice and develop skills. Your therapists can provide suggestions to improve your skills.

Get involved in your community

Being involved in your community can provide you with meaningful activities and enhance social network. There are many opportunities to be involved and connected to your community. Talk to your health care team, family and friends. They can provide support and help you identify opportunities that match your interests, goals and abilities. Take a class, join a gym, volunteer or attend a recreational program, enjoy cultural and spiritual activities.

Brain injury support

Most communities have a brain injury association that provides opportunities for support, education, social and/or recreational opportunities.

Transportation

If you are unable to drive, there are options available in most communities. If you need specialized transportation, wheelchair accessible transportation services are available in most communities. Your doctor or health care professional can help you arrange these services.

To find out more about transportation options available in your community or travelling with a disability, visit this website: www.accesstotravel.gc.ca

Volunteer drivers

Many communities have volunteer drivers that charge a small fee. These services are usually prioritized for medical appointments. Family and friends may also be able to help you with transportation.

Public transportation

Learning to use public transportation may increase your opportunities for independence and greater access to the community. Your health care team can provide support and education related to using the bus and/or taxis. There are sometimes subsidies available to individuals to support transportation costs.

Leisure links

Check with your parks and recreation facilities for detailed information on programs, services and supports.

Access to entertainment

A community access card is available for individuals with a disability to participate in recreation activities with an attendant. Visit www.accessinformation.ca

Helpful information

Community Care Access Centre (CCAC)

CCAC provides access to community care in your home, day programs and long term care. To find your local CCAC support, go to www.healthcareathome.ca

The Ontario Neurotrauma Foundation

Supports research and practice in the field of neurotrauma. For more information go to www.onf.org

Rehabilitation Resource Centre

The centre works with individuals, family members and caregivers whose lifestyle is significantly altered by illness or injury. It provides:

- personalized information
- peer support
- links to the broader community

Location:

Regional Rehabilitation Centre 300 Wellington Street North, 1st Floor Hamilton, ON L8L 0A4 Phone: 905-521-2100, extension 4080

Phone: 905-521-2100, extension 40805

Ontario Brain Injury Association

www.obia.ca

1-800-263-5404

The Ontario Brain Injury Association (OBIA) is a provincial not-for-profit, charitable organization. Their mission is to enhance the lives of Ontarians living with the effects of acquired brain injury (ABI) through education, awareness and support.

OBIA's services include:

- information and resources on acquired brain injury
- 1-800 toll free helpline
- personal advocacy and support
- training and education for families and professionals

Camp Dawn

Camp Dawn is a camping retreat for adults living with a brain injury in Southern Ontario. Camp Dawn provides campers with the opportunity to practice and develop skills and independence in an outdoor, recreational environment that promotes a healthy lifestyle. Camp Dawn also provides an opportunity to get away, make new friends, meet with old friends, try new activities, and take part in familiar activities in a supportive environment alongside others who are facing similar challenges.

Camp Dawn
C/O Brain Injury Association of London
London, ON N6A 3R4

Phone: 519-642-4539 Fax: 519-642-4124

Email: campdawninfo@gmail.com

Website: www.campdawn.ca

Brain Injury Associations

South Central Ontario

Brain Injury Society of Toronto

40 Orchard View Blvd. Suite 252

Toronto, ON M4R 1B9 Phone: 416-830-1485 Email: info@bisto.ca Website: www.bist.ca

Head Injury Association of Fort Erie and District

649 Niagara Blvd. Fort Erie, ON L2A 3H7 Phone: 905-871-7789

Email: haifevents@bellnet.ca

Brain Injury Association of Niagara

Office Location:

10-261 Martindale Road St. Catharines, ON L2W 1A2 Mailing Address: P.O. Box 20019

Thorold, ON L2V 5B3 Phone: 905-984-5058

Email: bianstaf@niagara.com Website: www.bianiagara.com

Brain Injury Association of Peel & Halton

2155 Leanne Blvd. Suite 240 Mississauga, ON L5K 2K8

Phone: 905-823-2221 Email: <u>biaph@biaph.com</u> Website: <u>www.biaph.com</u>

Hamilton Brain Injury Association

822 Main Street East Hamilton, ON L8M 1L6 Phone: 905-538-5251

Email: <u>info@hbia.ca</u>
Website: <u>www.hbia.ca</u>

South Western Ontario

New Beginnings Club

9 Maple Leaf Drive Chatham, ON N7M 6H2 Phone: 519-351-0297

Email: lgall@newbeginnings-cksl.com

Website: www.newbeginnings-cksl.com

Brain Injury Association of London and Region

560 Wellington Street, Lower Level

London, ON N6A 3R4 Phone: 519-642-4539

Email: <u>braininjuryassoc@bellnet.ca</u>
Website: <u>www.braininjurylondon.on.ca</u>

Brain Injury Association of Waterloo-Wellington

555 King Street West 7th Floor

Kitchener, ON N2G 4W1 Phone: 519-772-7500 Website: www.biaww.com

Brain Injury Association of Grey Bruce

P.O. Box 481

Owen Sound, ON N4K 5P7

Phone: 519-373-8555

Email: <u>biagrey-bruce@hotmail.com</u>

Website:

Brain Injury Association of Windsor & Essex County

201-200 West Grand Blvd. Windsor, ON N9E 3W7 Phone: 519-981-1329 Toll Free: 1-800-263-5404 Email: info@biawe.com Website: www.biawe.com

Brain Injury Association of Sarnia Lambton

1705 London Line Sarnia, ON N7W 1B2 Phone: 519-337-5657

Email: info@sarniabiasl.ca
Website: www.sarniabiasl.ca

Northern Ontario

Simcoe County Brain Injury Association

#D - 580 Bryne Drive Barrie, ON L4N 9P6 Phone: 705-734-2998 Email: scbia@csolve.net

Brain Injury Association of Sudbury & District

750 Brancroft Drive Sudbury, ON P3B 1T9 Phone: 705-670-0200 Email: <u>info@biasd.ca</u> Website: www.biasd.ca

Brain Injury Association of Thunder Bay & Area

Thunder Bay, ON P7C 5G8 Toll Free: 1-800-796-1188 Email: <u>bisnoro@bisno.org</u> Website: <u>www.bisno.org</u>

426 Balmoral Street

Brain and Seizure Association (Timmins)

733 Ross Avenue Timmins, ON P4N 8S8 Phone: 705-840-8882 Email: sabicrl@eastlink.ca

Website:

www.seizurebraininjurycentre.com

Brain Injury Association of Sault Ste. Marie and District

127-31 Old Garden River Road Sault Ste. Marie, ON P68 5Y7

Email: biassmd@shaw.ca

Website: www.braininjuryssm.ca

Brain Injury Association of North Bay and Area

280 Oakwood Avenue North Bay, ON P1B 9G2 Phone: 705.840.8882 Email: contact@niaba.ca Website: www.bianba.ca

Eastern Ontario

Brain Injury Association Peterborough Region

158 Charlotte Street Peterborough, ON K97 2T8 Phone: 705-741-1172

Toll Free: 1-800-854-9738 Email: biapr@nexicom.net Website: www.biapr.ca

Brain Injury Association of Ottawa Valley

300-211 Bronson Avenue Ottawa, ON K1R 6H5

Email:

braininjuryottawavalley@bellnet.ca

Website: www.biaov.org

Brain Injury Association of Southeastern Ontario (Kingston)

Epilepsy Kingston 100 Stuart Street Kingston, ON K7L 2V6 Phone: 613-536-1555

Brain Injury Association of Quinte District

223 Pinnacle Street

Core Centre

Bellevile, ON K8N 3A7 Phone: 1-866-894-8884 Email: <u>biaqd@bellnet.ca</u> Website: www.biaqd.ca