



## Canada 150 Rehab Med Family Fun Day 2017 Rehabilitation Medicine Activity Booths

*Learn more about what physical therapists, occupational therapists, speech-language pathologists and rehabilitation scientists do at our rehab med activity booths!*

### **A gripping experience**

Physical therapists help people move and gain mobility and function. Sometimes people have a tough time grasping things in their hands, such as an apple or a water bottle. A PT can use a grip strength dynamometer to measure how tightly a patient can grasp an object. Use the meter to test out how hard you can squeeze, and compete against other guests!

### **Tools for daily life**

Occupational therapists help people who have an injury, illness, disability or impairment to engage in daily living activities that have personal meaning and value. For example, an OT may help someone to feed themselves, brush their own hair, or get dressed. Try out some assistive aids that are often given to clients, including a button hook, a sock aid and a long-handled reacher.

### **Raise your voice for rehab med**

Speech-language pathologists can measure the intensity of people's voices: how loud or quiet they can be. Often they work with people who have disorders or diseases such as Parkinson's that make speaking in a loud voice difficult. Voices are measured in decibels using sound level meters. Let's test the intensity of your voice!

### **Shake them skeleton bones!**

The leg bone's connected to the knee bone, the knee bone's connected to the thigh bone, the thigh bone's connected to the hip bone, now shake them skeleton bones! Physical therapists use their knowledge of the human skeleton to help people move, reduce pain and prevent or recover from injuries, among other things. Learn about the different bones that make up the human skeleton, trace your body on paper, build a paper skeleton and see the full skeleton model!

### **The right way to write... and draw!**

Sometimes occupational therapists work in schools with children who have difficulty holding a pencil. One of the ways they help children work on this is through writing or drawing exercises. Try out some fun writing, colouring and drawing tasks at this booth!



### **Listen with your brain**

How do we receive sound from our environment and interpret it in our brains? Speech-language pathologists, audiologists and rehabilitation scientists study the structure of the human brain and ears in order to better understand how we communicate and how to help people with communication disorders. Check out a model of the brain and ear to learn how they work together for us to hear.

### **Catch the (ultrasound) waves!**

Ultrasound is sound waves with frequencies higher than the upper audible limit of human hearing. Health-care professionals, including rehabilitation practitioners, use ultrasound machines to see what's going on inside your body. At this booth, you can take a peek at what's going on inside your own body parts!