

The Children's Brain Tumor Tissue Consortium (CBTTC) Innovation Through Collaboration



The Children's Brain Tumor Tissue Consortium (CBTTC) is an open-access, collaborative, multi-institute research program dedicated to the study of childhood brain tumors. The CBTTC is committed to improving outcomes for children with brain tumors by supporting research that will lead to new treatments and diagnostic tools. The CBTTC collects high-quality brain tumor biospecimens from around the world with associated clinical and genomic data, and provides them in an online open-access environment for all researchers to utilize. The CBTTC has made great strides toward increasing worldwide collaboration by advancing innovative informatics systems where researchers can share, store and analyze in place large sets of data, building a large store of high-quality brain tumor specimens in a state-of-the-art biorepository and providing resources to support individual research projects. Working together is the key to overcoming these devastating cancers of childhood.

Childhood Brain Tumors

- Brain tumors are the most common solid tumor, the most common cancer, and the most common cause of cancer death in infants and children 0-14 years. — *Central Brain Tumor Registry of the United States (CBTRUS)*
- More than 4,300 central nervous system tumors are diagnosed each year in children and teens. — *CBTRUS*

Members of the CBTTC

The CBTTC is comprised of leading pediatric brain cancer clinicians, researchers and institutions, including:

- The Children's Hospital of Philadelphia
- Ann & Robert H. Lurie Children's Hospital of Chicago
- Children's Hospital of Pittsburgh of UPMC
- Seattle Children's Hospital
- Meyer Children's Hospital, Florence, Italy
- Bristol-Myers Squibb Children's Hospital at Robert Wood Johnson University Hospital, New Brunswick, N.J.
- Lucile Packard Children's Hospital Stanford, Palo Alto, Calif.
- Benioff Children's Hospital, University of California, San Francisco

In addition, each primary site will launch satellite member sites to bring the CBTTC to more hospitals. The CBTTC operations center, including the state-of-the-art biorepository where tissue is housed, is at CHOP.

Work of the CBTTC

- Collecting high-quality biospecimens from all brain tumor types and annotating with long-term clinical and genomic data
- Creating an open-access specimen and data informatics system with real-time access
- Creating an open-access genomic analysis environment for worldwide collaboration
- Sharing materials, data and results to stimulate and accelerate research

How You Can Help the CBTTC

The CBTTC is completely funded by donor support. One hundred percent of all donations go straight to the CBTTC and can be directed by area of interest. To learn how you can partner with the CBTTC, please contact cbttcadmin@email.chop.edu or Jena V. Lilly at 267-425-3137, lillyj@email.chop.edu or visit cbttc.org.



The Children's Hospital of Philadelphia is one of the top-ranked hospitals on *U.S. News & World Report's* Honor Roll of the nation's Best Children's Hospitals.