Spina Bifida in Tennessee

Spina Bifida, the most common, permanently disabling birth defect that is also compatible with life in the United States, affects approximately 1,500 births each year. Spina Bifida is a serious and life-long condition that occurs when the spinal cord fails to close properly during the early stages of pregnancy. Approximately 10% of babies born with Spina Bifida do not live into adulthood.

- In Tennessee, 4.09 babies are born with Spina Bifida per 10,000 births (data collection period: 2010).

- Research has estimated that the number of Americans living with all forms of Spina Bifida is about 166,000. Based on this national estimate and the birth rate of Spina Bifida, approximately 2,542 people with Spina Bifida live in Tennessee.

- In Tennessee, there are over 2 million women of childbearing age. All are at-risk of a Spina Bifida pregnancy. If women of childbearing age were to consume 400 micrograms (mcg) of the B-vitamin folic acid every day before pregnancy, the risk of Spina Bifida and other severe birth defects could be reduced by up to 70%.

- Approximately 2,033 of individuals with THE most severe form of Spina Bifida, myelomeningocele (MMC), suffer from hydrocephalus, a dangerous fluid build-up around the brain, which necessitates surgery to implant a shunt in the brain. Unfortunately, shunts require frequent revisions, and 1,626 of these devices will fail within 10 years.

- 1,271 of the people living with Spina Bifida are adults, and 1,016 of them have MMC. Very little is known about aging with Spina Bifida. Very few physicians are willing to treat people with Spina Bifida or have the knowledge of treatments and interventions associated with its management.
Cost Related to Care of People with Spina Bifida in Tennessee

- The cost of lifetime care for Spina Bifida patients is $1,616,712,000 though it can often exceed $2,542,000,000. Among those patients with the most serious form of Spina Bifida, myelomeningocele (MMC), only half can live independently as adults, accruing substantial costs for care.

- Out of pocket costs for direct medical care for children born with MMC are 13 times more than children born without MMC. These additional costs continue into adulthood when individuals with MMC pay 7 times more in medical costs than those without MMC.

- Family caregivers for Spina Bifida patients are 25% less likely to be employed and, when they are employed, work 25% fewer hours compared to those not providing Spina Bifida-related care.

Clinics:

T.C Thompson Children's Hospital
Walter E. Boehm Birth Defects Center
(all ages)
975 E. Third St.
Chattanooga, TN 37403
(423) 778-2222

Le Bonheur Children's Medical Center
Spina Bifida Clinic
(0 – 21)
50 N. Dunlap St.
Memphis, TN 38103
901-287-PEDS
https://www.lebonheur.org/our-services/neuroscience-institute/spina-bifida/

Vanderbilt Children's Hospital
Spina Bifida Program,
Children's Rehabilitation Services
(0 – 18)
One Hundred Oaks Mall
719 Thompson Lane
Nashville, TN 37232-9080
(800) 526-4299 or (615) 343 4673
https://www.childrenshospitalvanderbilt.org/program/spina-bifida-clinic