# Pediatric Proton Therapy in the United States: Patterns of Care 2011

pediatric proton foundation

The National Association for Proton Therapy

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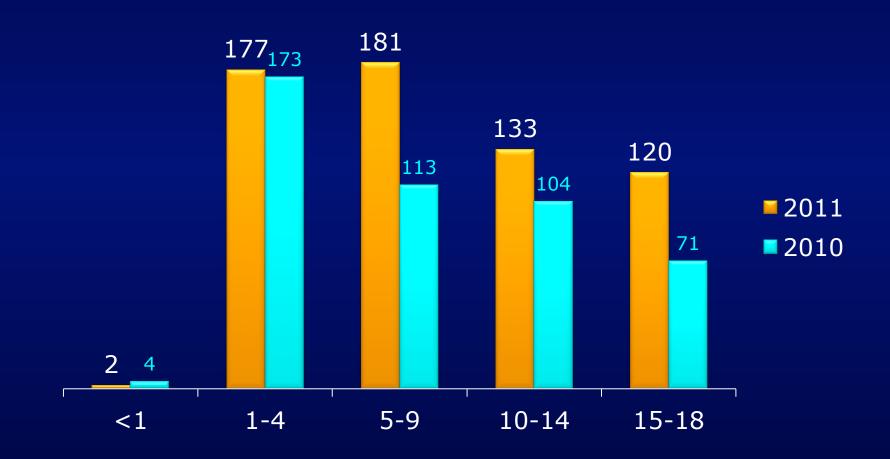
## Survey Methodology

- All 9 operating US proton facilities in 2011 were surveyed.
  - Anonymous patient age range, tumor site, and histology collected for every pediatric patient treated from January 1, 2011 through December 31, 2011
- All facilities responded for a 100% response rate

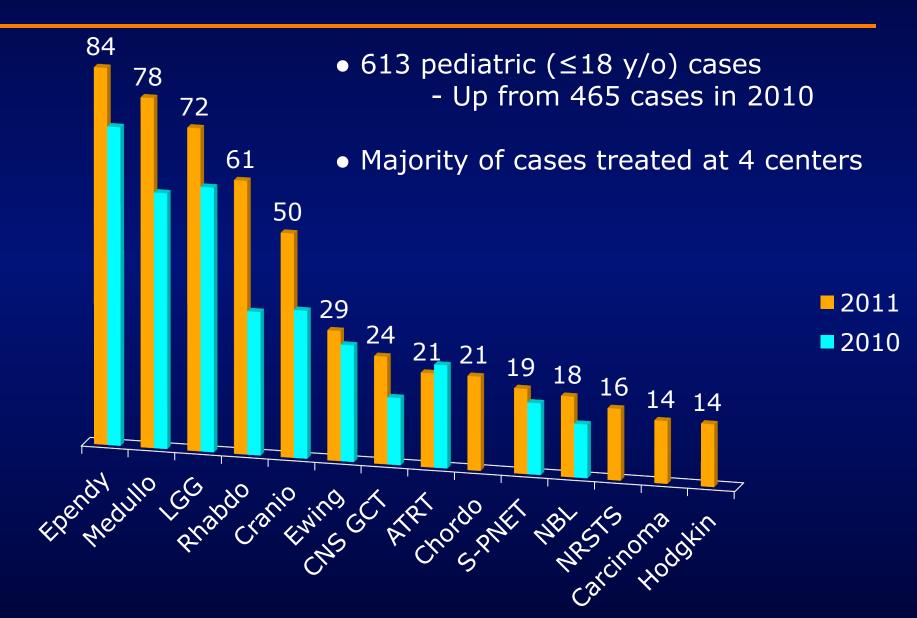
#### Results

- 613 children and adolescents treated with proton therapy in 2011
  - In 2010, 465 children and adolescents were treated.
  - This represents a 31.8% increase
- All facilities treated ≥1 pediatric patient

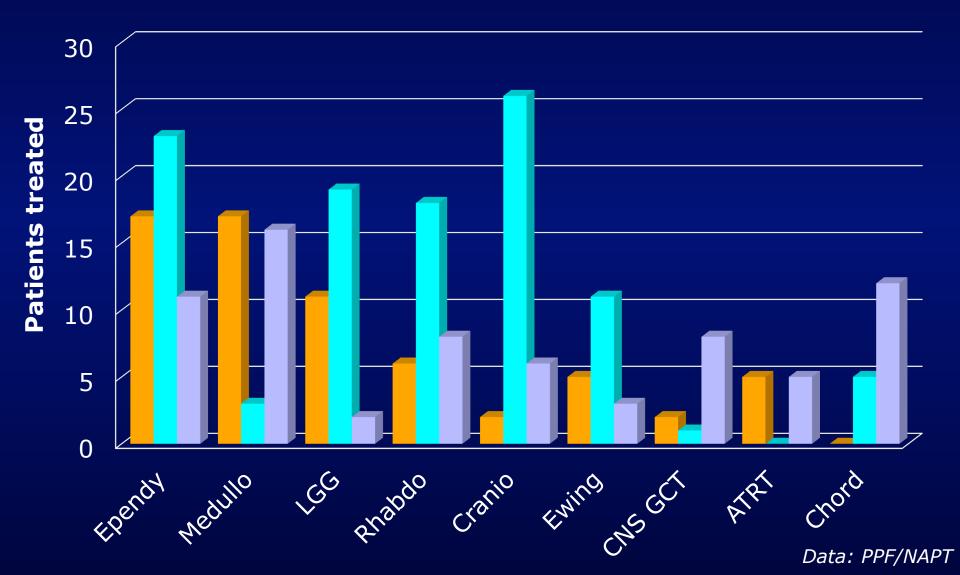
#### Peds Proton Patterns of Care



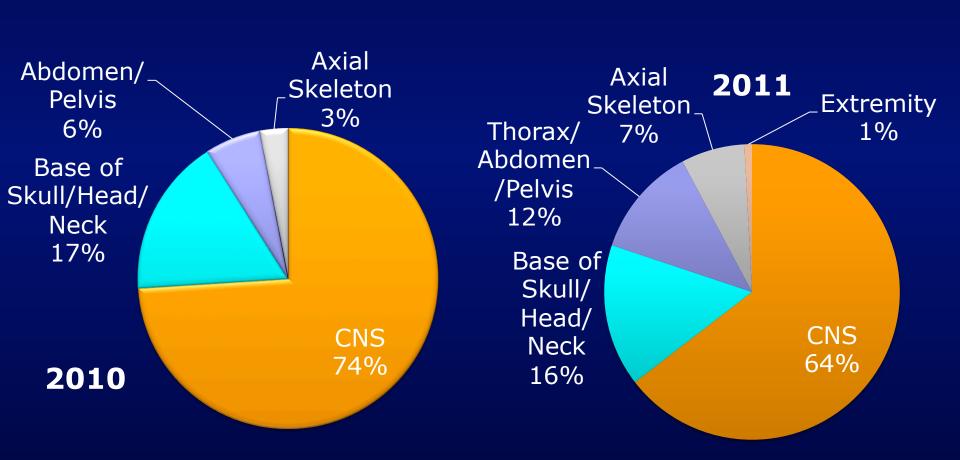
## Peds Proton Patterns of Care



#### Peds Proton Pattern of Care 2011: Variation of histology at the 3 largest pediatric programs



#### Peds Proton Patterns of Care



## Conclusion

- In 2011, all operating proton centers were treating children
  - 31.8% increase in number of pediatric patients treated
- Wide variety of diagnoses treated, but younger patients with CNS tumors make up the majority of patients

# Looking Ahead

- Over the next 5 years, another 5-10 proton centers are expected to open in the United States
- With an increasing number of pediatric patients treated, the importance of an experienced multidisciplinary pediatric team cannot be understated
  - ½ of the top tumors require concurrent chemotherapy
  - $-\sim \frac{1}{2}$  of patients require anesthesia support