

Pharmacy for the Future

A Student's Perspective on Pediatric Pharmacy



Nearly **10** million children take prescription medications in the United States for at least **3** months.¹

94% of adverse drug events were avoided by implementing a pediatric pharmacist.²

Making up **24%** of the population, children represent the **FUTURE**.³

Children can comprehend medical information respective to their cognitive development.⁴

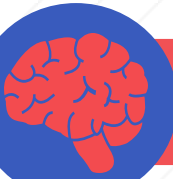
Special Population

Children are constantly growing and developing



Children require more intricate drug dosing

Pediatric dosing is more susceptible to errors



Children lack fully developed organs to buffer medication errors²

Special Communication⁴



Sensorimotor Stage

Birth to 2 years old; too young to effectively communicate medical information



Preoperational Stage

Ages 2-7 years old; understands medication safety, importance, and directions for use



Concrete Operational Stage

Ages 7-12 years old; understands medication security, ingredients, drug-action/onset, and specification



Formal Operational Stage

Ages 13-18 years old; understands prescription versus over-the-counter, drug dependency/addiction, dosage forms, drug interactions, and brand versus generic