

# **OVERCOMING THE** CHALLENGES OF PEDIATRIC **CLINICAL RESEARCH**

#### Children are severely underrepresented in the world of clinical research.



**ONLY 16.7%** of World Health Organization-registered

clinical trials are

pediatric.1



of approved medications included label information for pediatric use before the U.S. **Food and Drug Administration** initiated incentive programs for pediatric clinical studies.2



**NOW, AT** 

of all drug products may

still lack labeling with pediatric information.3

This is bad news for kids, even though they have long relied on and often benefitted from off-label use of the vast majority of drugs prescribed to them.



Drugs without proper clinical research in pediatric patients greatly raises the risk of unexpected adverse events, suboptimal therapy, and inappropriate dosing.4

room were by children 12 or younger due to adverse drug reactions in 2008 alone.5

#### FDA incentive programs have removed some of the hurdles to completing these critical pediatric trials.



Companies can receive 6 extra months of marketing exclusivity for completing pediatric studies requested by the FDA.5



The FDA granted marketing exclusivity to 189 drug sponsors extending studies to children from 1998-2012.



**57% of the 189 drugs** granted exclusivity received new or expanded pediatric indications, and 92% received new pediatric labeling information.6



The Foundation for the National Institutes of Health offers some trial funding for the study of off-patent drugs in children.<sup>7</sup>

#### To Design an Effective Pediatric Clinical Trial, **You Must Consider:**



blood/serum volumes and minimal clinical data



consent/assent procedures, and trial ethics requirements



techniques, and staff prepared to appropriately manage pediatric patients

Growth and development

stages, such as puberty, tooth

development, liver maturity, metabolic differences, and more



safe, palatable, and easy to take



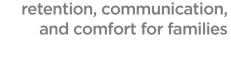
number of interventions



 Preterm infants Full-term neonates up to 28 days of age

Multiple age groups, as appropriate:

- Infants and toddlers under the age of 2 Children aged 2-11
- Adolescents aged 12-18



Techniques for recruitment,

## MAKE YOUR PEDIATRIC CLINICAL RESEARCH A SUCCESS WITH **WORLDWIDE CLINICAL TRIALS**

Our experts offer uncommon support in the clinical, technical, and regulatory requirements underpinning pediatric clinical development programs. Our successes in rare diseases, study site development, and operational agility can

effective pediatric research programs. Learn more about Worldwide's uncommon commitment to pediatric clinical trial solutions.

transform the experience for our clients and the families involved in our studies.



#### **CONTACT US**

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