



QR code for mobile view

**Exclusion criteria:**

- Children > 1 year of age

If prenatal concern, see [communication strategies and provide resources](#)  
(Pediatric Endocrine Society, 2025)

**Concerns for Differences of Sex Development (DSD)**

- Atypical genital appearance following birth
- Discordance between prenatal testing and postnatal phenotype

**Adrenocorticotropic Hormone (ACTH) Stimulation Test**

- Infants with adrenal insufficiency often present in adrenal crisis at 7 - 10 days of life
  - If there is a high suspicion for adrenal insufficiency, an ACTH stimulation test should be performed prior to discharge from the nursery
  - If not completed, close follow-up with Primary Care and Endocrinology is warranted
- The ACTH stimulation test at Children's Mercy includes progesterone, 17-OH progesterone, 11-desoxycortisol, cortisol, DHEA, and testosterone at 0 and 60 minutes
- For those with suspected undervirilized male genitalia (46,XY), the addition of 17-OH pregnenolone to this panel may provide additional information about 3-beta-hydroxysteroid dehydrogenase deficiency
- The addition of deoxycorticosterone can provide information about 17-hydroxylase deficiency in those with more typical female genitalia, though 46,XY chromosomal make-up

*This testing should be considered in collaboration with a pediatric endocrinologist*

