

Kidney Disease Across The Lifespan

Children & Adolescents

Birth Defects Affecting Kidneys³

- 1 Renal Agenesis
- 2 Renal Dysplasia
- 3 Ectopic Kidneys

Primary Hereditary Causes Of Kidney Failure In Children With Incident Kidney Failure²

- Autosomal Recessive Polycystic Kidney Disease (ARPKD) leads to kidney failure in 2.8% of children
- Alport syndrome leads to kidney failure in 1.4% of children

Congenital & Hereditary Kidney Anomalies



Throughout childhood, **congenital anomalies of kidney and urinary tract (CAKUT)** continue as a primary cause of kidney failure in children with incident kidney failure.²



Even at ages 13–17, **21.8%** of the primary cause of kidney failure in children with incident kidney failure is CAKUT.²



Medical Innovation and improved care have helped many people born with congenital and hereditary kidney anomalies survive into adulthood.⁴

Causes of Kidney Disease In Children

Ages 0-4



Birth defects and hereditary disease are the leading causes of kidney failure in children from birth to age 4.³

Ages 5-9 & 10-14



This age group develops kidney failure due to **nephrotic syndrome, systemic disease, and hereditary disease progression**.³

Ages 15-19



For ages 15-19, **glomerular diseases** are the leading cause of kidney failure.³

Kidney Failure Requiring Kidney Replacement Treatment: Per Million Population (PMP)¹

Birth-Age 4:
9.1 PMP



Ages 5-9:
5.2 PMP



Ages 10-13:
9.3 PMP



Ages 14-17:
17.5 PMP



Adults & Seniors

Causes Of Kidney Disease In Adults



Diabetes Mellitus⁶



Hypertension⁶



Glomerulonephritis⁷



Lupus⁷



Genetic Disorders⁹



Anti-GBM Disease (Goodpasture's)⁷



It is estimated that **35.5 million** US adults have CKD—though most of them are unaware.⁶

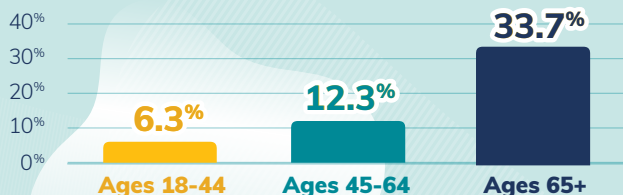
Autosomal Dominant Polycystic Kidney Disease (ADPKD)



This genetic disorder causes numerous cysts to grow in the kidneys. Signs and symptoms typically develop between the ages of 30 and 50.⁸

Percentage of US Adults Aged 18+ With CKD*⁶

CKD is more common as people age.



*CKD stages 1–4 using data from the 2017–March 2020 National Health and Nutrition Examination Survey based on 2021 CKD Epidemiology Collaboration GFR estimating equation.



Diabetes



Hypertension

~33% of adults with diabetes and 20% with hypertension may develop CKD.⁵



1 in 3

U.S. adults are at risk of developing life-threatening kidney disease.⁵

Discover CKD Prevention Strategies On NephU.org

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