

Kidney Disease ACROSS THE LIFESPAN

Children & Teenagers

Birth Defects Affecting Kidneys³

- Renal Agenesis (missing orgar organ's cells)
- 2 Renal Dysplasia
- **6** Ectopic Kidneys position)

Primary hereditary causes (passing of genetic information from parent to child) of kidney failure in children.2

Autosomal Recessive Polycystic Kidney Disease (ARPKD): 2.8% leading to kidney failure

Alport syndrome: (damages the tiny blood vessels in the kidneys) 1.4% of

kidney failure in children



Congenital & Hereditary Kidney Abnormalities



Throughout childhood, genetic abnormalities of the kidney and urinary tract continue as a primary cause of kidney failure in children.2



Even at ages 13-17, 21.8% of the primary cause of kidney failure in children with incident kidney failure is Congenital anomalies of kidney and urinary tract (CAKUT).2



Medical advances and improved care have helped many people who are born with genetic and hereditary kidney abnormalities to survive into adulthood.

Causes of Kidney Disease In Children & Teenagers

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



5-9 &

15-19

This age group develops kidney failure due to nephrotic syndrome (too much protein in your urine), systemic disease, and hereditary disease progression.3



For ages 15-19, glomerular (blood filtering unit in the kidneys) diseases are the leading cause of kidney failure.3

Kidney Failure That Requires Kidney Replacement Treatment: Per Million Population

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

Major Causes Of Kidney Disease In Adults



Diabetes⁶





High Blood Pressure⁶



Glomerulonephritis7



Lupus Nephritis⁷

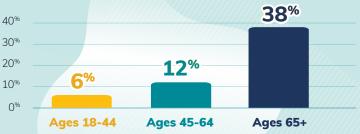


IgA Nephropathy⁷

(autoimmune disease that leads to build up in the kidney's filtering units and ultimately damage)

Anti-GBM Disease7 (body produces antibodies that attack the lungs and kidneys)

Chronic Kidney Disease (CKD) Is More Common As People Age⁶





Approximately 37 Million US adults have CKD-but most of them may not know they have it 6 know they have it.

20%

~33% of adults with diabetes and 20% with high blood pressure may develop CKD.5

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

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

Discover kidney disease prevention strategies on Otsuka's Patient Education Network (OPEN), including kidney-healthy recipes!

- June 2021.

 3. Kidney Disease In Children. National Institute of Diabetes and Digestive and Kidney Diseases. htt mation/kidney-disease/children/ May 2021.

 4. Halbach S, Flynn J, Kidney Disease In Special Populations: Adolescents. Renal & Urology New ws.com/home/decision-support-in-medicine/nephrology-hypertension/kidney-disease-in-Published 2017. Accessed May 2021.

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