CHRONIC KIDNEY DISEASE (CKD)

FACTS AND FIGURES

NAUSEA
LOSS OF APPETITE
SWELLING OF FEET AND ANKLES
CHANGES IN HOW MUCH YOU URINATE
ACUTE RENAL FAILURE
VOMITING
MUSCLE TWITCHES AND CRAMPS

Stage 1
With normal or high GFR (GFR>90 mL/min)

Stage 2
Mild CKD
(GFR = 60-89 mL/min)

Stage 3A
Moderate CKD
(GFR = 45-59 mL/min)

Stage 3B
Moderate CKD
(GFR = 30-44 mL/min)

Stage 4
Severe CKD
(GFR = 15-29 mL/min)

Stage 5
End Stage CKD
(GFR<15 mL/min)

Two kidneys filter about 120-150 QUARTS OF KIDNEY BLOOD
produce 1-2 QUARTS OF URINE

Angiotensin-converting enzyme 2 (receptor of SARS-CoV-2 in kidneys) plays a key role in Mediating renal injury

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*GFR - Glomerular filtration rate

CKD deaths 2019
850 Million

Renal replacement therapy projected to double to 5-4 million patients by 2030

PANDEMIC COVID-19
Biomarkers signifying kidney impairment among severe COVID-19 patients
GFR - Glomerular filtration Rate (eGFR)

Microalbuminuria (UACR-Urine Albumin-to-Creatinine Ratio)

PANDEMIC COVID-19 plays a key role in Mediating renal injury

PANDEMIC COVID-19

United States

CHRONIC KIDNEY DISEASE DEATH RATE PER 100,000 PEOPLE 2018

0 - 10
10 - 16
16 - 26
26 - 40
40 +
NOT APPLICABLE
CKD is a type of kidney disease in which there is a gradual loss of kidney function over a period of three months and more. Initially there are generally no symptoms; later, symptoms may include leg swelling, feeling tired, vomiting, loss of appetite and confusion.

CKD is usually caused by other conditions that put a strain on the kidneys. This could be high blood pressure, diabetes, high cholesterol, kidney infections, poly cystic kidney disease, etc...

56 painpoints

77 respective solutions

are connected to different stakeholders