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Kidney failures up by 40% in S'pore over a decade

Significantly more men and Malays suffering from it; kidney disease a major problem here



major problem here

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The number of people getting kid ney failure here has gone up by 44 per cent over the past decade, wit significantly more men and Malay suffering from it.

in 2022, three in five were men, while proportionately, three times more Malays than Chinese suffered from kidney failure. For every one million Malays, 459 required dialysis in 2022, combroard with 150 per million for Chi-

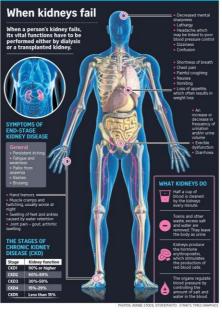
tion.

Kidney failure, or fifth-sta chronic kidney disease (CKDI happens when the kidneys lo their ability to function, resulti in the accumulation of waste pro

kidney disease is a major prob lem in Singapore, 01 Scopels safely from CSD. In Singapore, it is high er. The National Population Healt Survey 2022 found that H per cen of the population had CRO, up of the population of the CSD. One in four people here - close to 900,000 people - will suffer from CRD by 2035, according to projec tion by experts from the Nation to the property of the CSD. In the CSD. University of Singapore publishe in an article in the International Journal of Nephrology in 2018.

There are five stages of CKI Stage I and 2, or CKDI and CKDI are considered mild, with the kic neys still working fairly normall. But over time, the kidneys will deteriorate, with the condition progressing to CKDS, or end-stage renal disease where the kidneys and close to not working or have faile altogether.

altogether.
Singapore has the third-higl
incidence of CKD5, after Tais
and the United States, accordin
the US Department of Health
Union Secretars.





In 2021, 2,155 people were diagnosout six new cases every day – against 1,557 in 2012, according to the Singapore Renal Registry Annual Report 2022 released in January 2024. The number of new CKDS patients in 2022 was not available, as the registry tracks patients for at least six months to ascertain kidney failure.

certain kidney failure.
The number of patients startin,
dialysis went up by 50 per cent be
tween 2012 and 2022. Now, ther
are four new dialysis patients a day.
The report said that in 2020, Sin
gapore had the world's highest per
centage of kidney failure natient.

for every one million Malays, 459 equired dialysis in 2022, compared with 150 per million for Chinese, and 83 for the Indian population. JANHE ZAGBAO FILE PHOTO

This includes one centre that was opened in Bukit Batok in January. Another centre will open in Sengkang in May, and three more centres will be added by

An NKF spokesman said the number of patients on haemodia lysis – where a person's blood is removed, cleaned and returned to the body – has gone up by 72 per cent in the past decade, from 2,672 in 2014 to 4,595 in 2023. The age of NKF spatients rang

es from 22 to 96.

There is some good news, however, as the median age of new dialysis patients at NKF has gone
up over the past five years, from
62.5 to 66 in 2023 - which means
people have functioning kidneys

for longer.

Much of the increase in kidney failure is caused by an ageing population. When age is taken into account, the number of people with kidney failure as a proportion of the population has remained fairly stable over the past decade, according to data from the registry.

However, with new and better treatments to help patients slow the progression of kidney disease, doctors are hoping to see a slowing down in the rise of kidney failure here.

As to why more men and Malays suffer from this life-threaening disease, Dr Chua Horng Ruey, who heads the kidney dissease division at the National University Hospital (NUH), said it is because more of them suffer from underlying conditions that

He said the latest national population health survey showed that more men suffer from diabetes, hypertension, high cholesterol levels and obestyr, so "we could reasonably assume that more males than females would suffer the unfortunate outcome of kidney failure in later wears."

of kidney failure in later years". Dr Yeo See Cheng, who heads the renal medicine department at Tan Tock Seng Hospital, agreed that men tend to have more underlying medical conditions that increase their risk of getting kidney failure, but suggested there

"The reason for the higher rate of kidney failure in men is postulated to be biological, namely negative effects of testosteron compared to the protective effect of oestrogen in women," Dr Yeo said.

Dr Chua said more Malays suf fer from cardiovascular disease which is a major risk factor fo

"Malay patients referred fo kidney disease management a NUH versus other ethnic group were more likely to have three o more comorbid conditions, such as diabetes, hypertension, hyper lipidaemia, heart disease o

stroke.
"We could again reasonably as sume these are reasons why there are disproportionately more Ma lay patients than Chinese with

Dr Angeline Goh, a renal expert at a clinic in Mount Elizabeth Medical Centre, said "the proportion of Malay patients with worse kidney function on presentation was also higher, and they tended

to miss appointments.

She added that more Malays have metabolic diseases, such as high blood pressure, high cholesterol levels, excess abdominal fat and diabetes, but they are less likely to keep up with their medical appointments, so their condition worsens. This is a reason why many more Malays suffer freen lednar disease.

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The reason for the highe rate of kidney failure in men is postulated to be biological, namely, negative effects of testosterone compared t the protective effect of oestrogen in women.

DR YEO SEE CHENG, who heads th renal medicine department at Tan Tock Seng Hospital. 2022, three in five were men, while proportionately, three times more Malays than Chinese suffered from kidney failure. ST FILE PHOTO starting treatment whose disease.

was due to diabetes - at 67 per cent.

To cope with the rising numbers the National Kidney Foundation (NKF), the biggest dialysis provide er here, runs 4t dialysis centres to care for slightly more than half of the roughly 9,000 people who are on dialysis.