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Women's health depends on a lifetime of answers—one test at a time.

Women and Renal Disease

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As an integrated Healthcare company, our comprehensive solutions follow the complete continuum of renal disease, including screening, diagnosis, therapy, and aftercare. In addition, our solutions in healthcare IT support the exchange of data for making informed decisions.

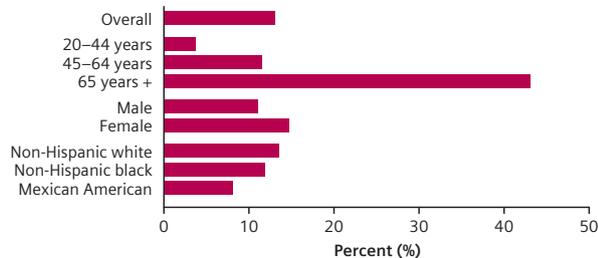
- Kidney disease is the 8th leading cause of death worldwide. Nine out of ten people with Stage 3 Chronic Kidney Disease (moderately decreased kidney function) do not know it. Early detection can help prevent the progression of kidney disease to kidney failure and other complications.¹
- Leading causes of End Stage Renal Disease (ESRD) are diabetes and hypertension. Less common causes include glomerulonephritis, hereditary kidney disease, and malignancies such as myeloma.²
- Type 2 diabetes is the main factor attributed to the increasing number of African-American women experiencing kidney failure. It is estimated that the likelihood of an African-American woman needing dialysis or a kidney transplant in her lifetime is almost 8%.³
- When kidney failure occurs, dialysis helps to remove wastes from the blood; however, it does not replace all of the functions of the kidneys, such as its role in hormone production. Higher waste levels and lower hormone levels in women can affect menstruation, egg production and the ability to conceive.⁴
- Studies in the U.S., Europe, and Asia have shown a higher prevalence of CKD in women than men. In a five-year period there was a 23 percent increase in the number of men diagnosed with kidney failure, compared to a 45 percent increase in the number of women.⁵
- The cumulative global cost for dialysis and transplantation over the next decade is predicted to exceed 1 trillion USD. This economic burden could strain healthcare budgets in developed countries. For lower income countries it is impossible to meet such costs.⁴

Answers for life.

Global Burden

- African Americans, Hispanics, Pacific Islanders, American Indians and seniors are at increased risk for chronic kidney disease. This risk is due in part to high rates of diabetes and high blood pressure in these communities.⁶
- More than 20 million people in the United States, aged 20 years or older, have Chronic Kidney Disease (CKD).
 - CKD is more common among women than men.
 - More than 35% of people aged 20 years or older with diabetes have CKD
 - More than 20% of people aged 20 years or older with hypertension have CKD.²

Percent with CKD among adult U.S. population by age, sex, and race/ethnicity.²



- The economic burden for developing countries is particularly severe, partly because CKD generally occurs at a younger age.
 - In Guatemala, 40% of patients receiving Renal Replacement Therapy are under 40.
 - In China, the economy will lose 558 billion USD over the next decade due to effects on death and disability attributable to chronic cardiovascular and renal disease.⁷
- More than 80% of individuals receiving renal replacement therapy (RRT) live in the developed world because in developing countries it is largely unaffordable.
 - In countries such as India and Pakistan, less than 10% of all patients who need it receive any kind of renal replacement therapy.

References

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6. <http://www.kidney.org/kidneydisease/aboutckd.cfm>
7. World Kidney Day: <http://www.worldkidneyday.org/faqs/about-kidneys-and-kidney-disease/kidneys-and-chronic-kidney-disease/#costofckd>

For more information log onto
www.siemens.com/women-and-renal-disease

Empowering you to advance the health and vitality of women throughout the continuum of life. **Your results. Her lifetime.**

Siemens Healthcare Diagnostics, a global leader in clinical diagnostics, provides healthcare professionals in hospital, reference, and physician office laboratories and point-of-care settings with the vital information required to accurately diagnose, treat, and monitor patients. Our innovative portfolio of performance-driven solutions and personalized customer care combine to streamline workflow, enhance operational efficiency, and support improved patient outcomes.

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