

A brief of chronic kidney disease, hypertension and diabetes mellitus situation in colombia 2020.



CUENTA DE ALTO COSTO

Fondo Colombiano de Enfermedades de Alto Costo

**A BRIEF OF CHRONIC KIDNEY DISEASE, HYPERTENSION AND DIABETES
MELLITUS SITUATION IN COLOMBIA 2020.**

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Fondo Colombiano de Enfermedades de Alto Costo
Cuenta de Alto Costo [CAC]
ISSN: 2322-6323

Annual periodicity
Bogotá, D.C., Colombia, June 2021
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Suggested citation: Fondo Colombiano de Enfermedades de Alto Costo, Cuenta de Alto Costo (CAC). Situación la enfermedad renal crónica, la hipertensión arterial y la diabetes mellitus en Colombia 2020; Bogotá D.C. 2021.

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The Full textbook in Spanish of the situation of HIV in Colombia is available in [HERE](#)



CHAPTER 2. POPULATION WITH HYPERTENSION



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Incidence:



416,254 new cases of HTN were reported.



The mean age of new cases of HTN was 60.84 years (SD \pm 14.18).

Prevalence:



4,527,098 people with HTN were reported.



Bogota, C.D. is the region with the highest age-standardized prevalence of HTN (n = 822,746, SP = 10.55).

Mortality:



During the period, 95,091 people with HTN diagnosis were reported dead.



The departments that reported the highest mortality rate were Antioquia and Valle del Cauca.

Period: July 1, 2019 to June 30, 2020.

*HTN: hypertension, SD: standard deviation, SP: standardized prevalence



CHAPTER 3. POPULATION WITH DIABETES MELLITUS



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Incidence:



The crude incidence rate of DM was 3.38 new cases per 1,000 people.



The mean age of DM incident cases was 61.34 years (SD \pm 13.72).

Prevalence:



A total of 1,426,574 people with DM were reported.

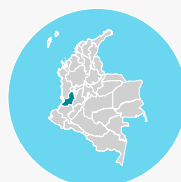


Bogotá. C.D is the territorial entity with the highest number DM cases (n = 269,840), following Antioquia (n = 247,404) and Valle del Cauca (n = 199,532).

Mortality:



The overall mortality rate for DM was 62.78 cases per 100,000 people.



Bogotá. C.D is the territorial entity with the highest number DM dead cases (n = 269,840), following Antioquia (n = 247,404) and Valle del Cauca (n = 199,532).

Period: July 1, 2019 to June 30, 2020.

*DM: diabetes mellitus HTN: hypertension, SD: standard deviation, SP: standardized prevalence



CHAPTER 4. POPULATION WITH CHRONIC KIDNEY DISEASE



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Incidence:



152,354 new cases of chronic kidney disease were reported.



Bogotá, C.D. was the territorial entity that reported the highest number of incident cases of CKD (n=29,345), followed by Antioquia (n=21,379) and Valle del Cauca (n=15,360).

Prevalence:



849,874 people with CKD were reported.

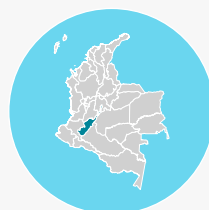


74.17% of the people with CKD were affiliated to the third payer insurance.

Mortality:



All-cause mortality rate for CKD was calculated at 43.40 cases per 100,000 people.



Bogota, C.D. had the highest age-standardized mortality rate, followed by the department of Huila.

Period: July 1, 2019 to June 30, 2020.

*CKD: chronic kidney disease



CHAPTER 5. POPULATION WITH STAGE 5 CHRONIC KIDNEY DISEASE BY RISK GROUPS



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During the period, the screening for CKD was not performed in 40.78% of the population with just HTN, 35.14% of the population with just DM, and 29.14% of the population with HTN and DM.

Incidence:



The SI in the people with CKD and DM affiliated to third payer insurance was 4.22, and in the state insurance was 3.46 new cases per 100 affiliates.

Prevalence:



The SP in the people with CKD and HTN affiliated to third payer insurance was 11.77, and in the state insurance was 8.32 cases per 100 affiliates.



The SP in the people with CKD and DM affiliated to third payer insurance was 13.54, and in the state insurance was 7.75 cases per 100 affiliates.

Mortality:



The SMR in the people with CKD and HTN affiliated to third payer insurance was 0.16, and in the state insurance was 0.35 cases per 100 affiliates.



The SMR in the people with CKD and HTN or DM affiliated to third payer insurance was 0.14, and in the state insurance was 0.30 cases per 100 affiliates.

Period: July 1, 2019 to June 30, 2020.

* CKD: chronic kidney disease, DM: diabetes mellitus, HTN: hypertension, SI: standardized incidence, SMR: standardized mortality rate, SP: standardized prevalence



CHAPTER 6. POPULATION WITH STAGE 5 CHRONIC KIDNEY DISEASE



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Situación de la ERC , HTA y DM en Colombia

Incidence:



There was a decrease of 11.54% in the report of new cases compared to 2019.



Bogotá, D.C. had the highest number of incident CKD 5 cases reported (n = 843), followed by Antioquia (n = 735).

Prevalence:



38,739 people with CKD 5 were reported.



Valle del Cauca (SP = 98.67) and Meta (SP = 95.78) were the territorial entities with the highest standardized prevalence per 100,000 people.

Mortality:



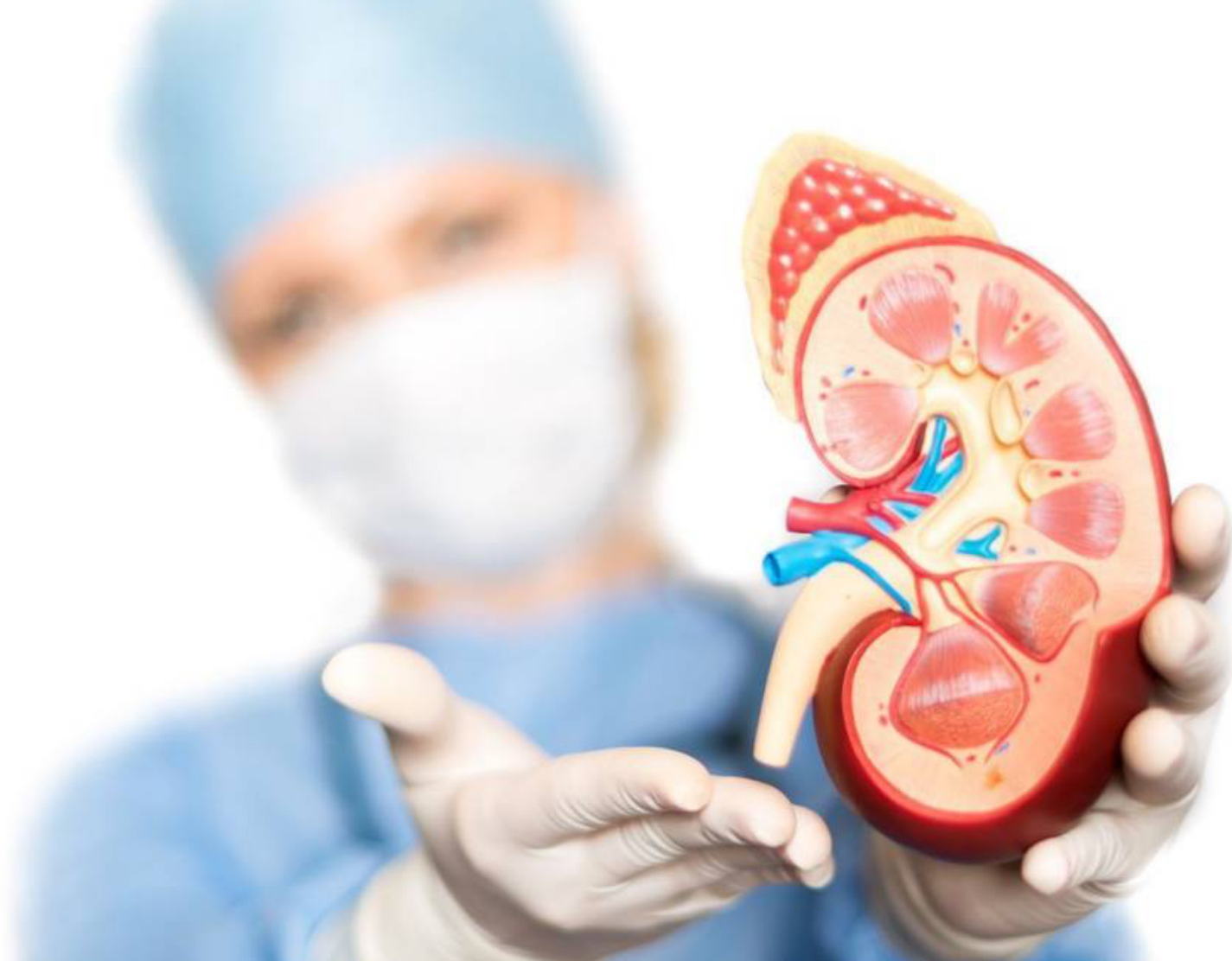
During the period, 5,151 people with CKD 5 were reported dead.



The departments of Huila and Atlántico reported the highest standardized mortality rate.

Period: July 1, 2019 to June 30, 2020.

*CKD 5: stage 5 chronic kidney disease, SI: standardized incidence, SP: standardized prevalence



CHAPTER 8. POPULATION WITH RENAL REPLACEMENT THERAPY



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There was a decrease of 15.56% in the report of new cases of RRT compared to 2019.



Bogota, C.D., reported the highest number of deaths with RRT($n = 718$, $SMR = 9.36$) followed by Valle del Cauca ($n = 575$, $SMR = 11.16$).



25,121 cases with HD were reported, 58.14% of the people with RRT.




The incidence of renal transplantation was 11.95 cases per 1,000,000 people.



All-cause mortality rate for renal transplant cases was estimated at 2.77 cases per 1,000,000 people.

Period: July 1, 2019 to June 30, 2020.

*HD: Hemodialysis, PD: peritoneal dialysis, RRT: renal replacement therapy, SMR: standardized mortality rate



CHAPTER 9. EFFECT OF THE COVID-19 PUBLIC HEALTH EMERGENCY ON THE MANAGEMENT OF PEOPLE WITH HTN, DM AND CKD



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In 2020, the report of new cases of HTN and DM had a decrease since March, the month in which the COVID-19 health emergency was declared in Colombia.



While the reporting of new cases of CKD decreased with respect to 2019, this has been on a decreasing trend since 2017.



The trend in the reporting of new cases of CKD 5 decreased compared to 2019.



A marked decrease in the number of kidney transplants was observed since February 2020 compared to 2019.



There was a decrease in the measurement and reporting of nephroprotection follow-up laboratories since March 2020, coinciding with the date of the declaration of the health emergency in the country.

Period: July 1, 2019 to June 30, 2020.

*CKD: chronic kidney disease, CKD 5: stage 5 chronic kidney disease, DM: diabetes mellitus, HTN: hypertension



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