

Cancer Disparities in Colorado



Slides from the chronic disease factsheet series

Disparities in Cancer Diagnoses

Table 1. Ten most commonly diagnosed cancers by race/ethnicity, Colorado, 2007-2011.

Rank	Site	White, non-Hispanic		White, Hispanic		Black			
		N	%	Site	N	%	Site	N	%
1	Breast	17,396	17.8	Breast	2,037	17.6	Prostate	765	20.9
2	Prostate	14,951	15.3	Prostate	1,350	11.7	Breast	633	17.3
3	Lung and Bronchus	9,579	9.8	Colon and Rectum	1,201	10.4	Lung and Bronchus	395	10.8
4	Melanoma	8,174	8.4	Lung and Bronchus	913	7.9	Colon and Rectum	340	9.3
5	Colon and Rectum	7,651	7.8	Kidney and Renal Pelvis	580	5.0	Kidney and Renal Pelvis	155	4.2
6	Urinary Bladder	4,015	4.1	Thyroid	493	4.3	Non-Hodgkin's Lymphoma	135	3.7
7	Non-Hodgkin's Lymphoma	3,790	3.9	Non-Hodgkin's Lymphoma	492	4.3	Pancreas	114	3.1
8	Thyroid	2,945	3.0	Liver	434	3.8	Liver	104	2.8
9	Leukemias	2,822	2.9	Leukemias	380	3.3	Leukemias	94	2.6
10	Kidney and Renal Pelvis	2,659	2.7	Corpus Uteri and Uterus, NOS	301	2.6	Multiple Myeloma	93	2.5

Data source and notes: Colorado Central Cancer Registry; Cervix in situ, benign tumors, and basal and squamous cell carcinomas of the skin excluded; NOS means "not otherwise specified."

- Breast and prostate cancer were the leading cancer diagnoses regardless of race/ethnicity in Colorado during 2007-2011.
- Kidney cancer ranked 5th for both White, Hispanic Coloradans and for Black Coloradans, but only 10th for White, non-Hispanic Coloradans.



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Disparities in Cancer Incidence and Mortality

Table 2. All Cancers Combined: Incidence and mortality by race/ethnicity, Colorado, 2011.

	Incidence 2011		Mortality 2011	
	N	Rate per 100,000*	N	Rate per 100,000*
Total	21,696	421.9	7,037	143.2
White, non-Hispanic	18,168	433.7	5,955	145.2
White, Hispanic	2,285	394.3 †	650	128.9 †
Black	730	413.2	250	161.1
Male	11,119	467.0	3,650	169.2
White, non-Hispanic male	9,384	479.4	3,086	171.5
White, Hispanic male	1,068	417.1 †	332	146.6 †
Black male	418	504.8	139	198.3
Female	10,573	389.6	3,387	124.3
White, non-Hispanic female	8,780	400.1	2,869	126.0
White, Hispanic female	1,217	384.5	318	115.6
Black female	312	341.7 †	111	135.3

Data source: Colorado Central Cancer Registry.

* Age-adjusted rate. The 2000 U.S. population was used as a standard.

† Statistically higher/lower than value for White, non-Hispanic.

- Overall in 2011, males had higher cancer incidence and mortality rates compared to females. Differences also existed between racial and ethnic groups.



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Table 3. Incidence, mortality and survival rates and stage of disease at diagnosis by race/ethnicity, Colorado.

	Incidence 2011		Mortality 2011		5-year survival 2005-2007		Early diagnosis 2011
	N	Rate per 100,000	N	Rate per 100,000	N	Relative survival rate (%)**	% in situ or localized stage
Colon and Rectum	1,735	35.1	632	12.8	4195	60.6	45.9
White, non-Hispanic	1413	34.7	519	12.5	3417	61.7	47.1
White, Hispanic	216	39.5	69	13.5	533	53.3	41.9
Black	59	36.8	25	17.4	148	56.9	35.5
Lung and Bronchus	2,209	45.2	1,588	32.7	4,507	17.7	20.2
White, non-Hispanic	1872	45.8	1,366	33.5	3,904	18.1	20.5
White, Hispanic	193	39.3 †	115	24.4 †	354	11.3	16.9
Black	88	55.7	67	44.2	155	16.7	17.1
Melanoma	1,127	21.8	154	3.0	2,187	85.0	75.0
White, non-Hispanic	1,084	26.2	152	3.6	2,103	84.9	74.8
White, Hispanic	33	4.9 †	^	^	58	84.5	76.3
Black	0	0.0	0	0.0	0	-	-
Female Breast	3,344	121.7	546	19.4	7,278	90.5	72.5
White, non-Hispanic	2,806	126.8	460	19.8	6,244	91.0	73.1
White, Hispanic	355	109.9 †	58	19.2	671	87.0	67.6
Black	90	98.2 †	19	19.8	214	80.6	69.0
Invasive Cervix	148	5.7	38	1.4	443	70.0	††
White, non-Hispanic	104	5.2	33	1.4	309	67.9	††
White, Hispanic	34	9.3 †	4	1.4	91	75.4	††
Black	4	4.5	^	^	26	77.5	††
Oral Cavity and Pharynx	569	10.6	100	2.0	1,058	65.6	35.3
White, non-Hispanic	469	10.6	91	2.2	914	66.9	35.5
White, Hispanic	56	10.5	5	0.7	94	56.2	32.7
Black	19	10.1	^	^	25	#	33.3
Prostate	3,187	125.4	415	22.4	8,606	94.7	79.5
White, non-Hispanic	2,744	129.4	354	22.5	7,427	94.9	79.1
White, Hispanic	229	92.2 †	29	16.7	638	95.0	83.1
Black	155	182.9 †	26	51.5 †	422	89.1	84.6
Bladder	932	19.1	184	3.9	844	56.1	85.1
White, non-Hispanic	859	21.0	167	4.2	764	55.8	85.3
White, Hispanic	46	9.3 †	11	2.5 †	54	54.9	84.6
Black	19	11.5 †	3	1.3	16	#	77.8

Data source: Colorado Central Cancer Registry

* Age-adjusted rate. The 2000 US population was used as a standard.

** All stages at diagnosis included.

† Statistically higher/lower than value for White, non-Hispanic.

^ Indicates 1 or 2 cases.

Fewer than 10 cases or standard error of rate over 10%.

††Cervix in situ cancers not collected by the Registry.



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Cancer Incidence and Mortality by Race/Ethnicity, 2011

Breast

- Incidence is highest among White, non-Hispanic women (126.8 per 100,000 persons).

Prostate

- Black Coloradans had a significantly higher incidence of prostate cancer (182.9 per 100,000 persons) and a higher mortality rate (51.5 per 100,000 persons).

Lung

- White, Hispanic Coloradans experienced significantly lower incidence and mortality rates of lung cancer compared to the other race/ethnicities.

Colon and Rectum

- Early detection through screening was less frequent among White, Hispanic and Black Coloradans with colorectal cancer compared to White, non-Hispanic Coloradans.

Data source: Colorado Central Cancer Registry



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