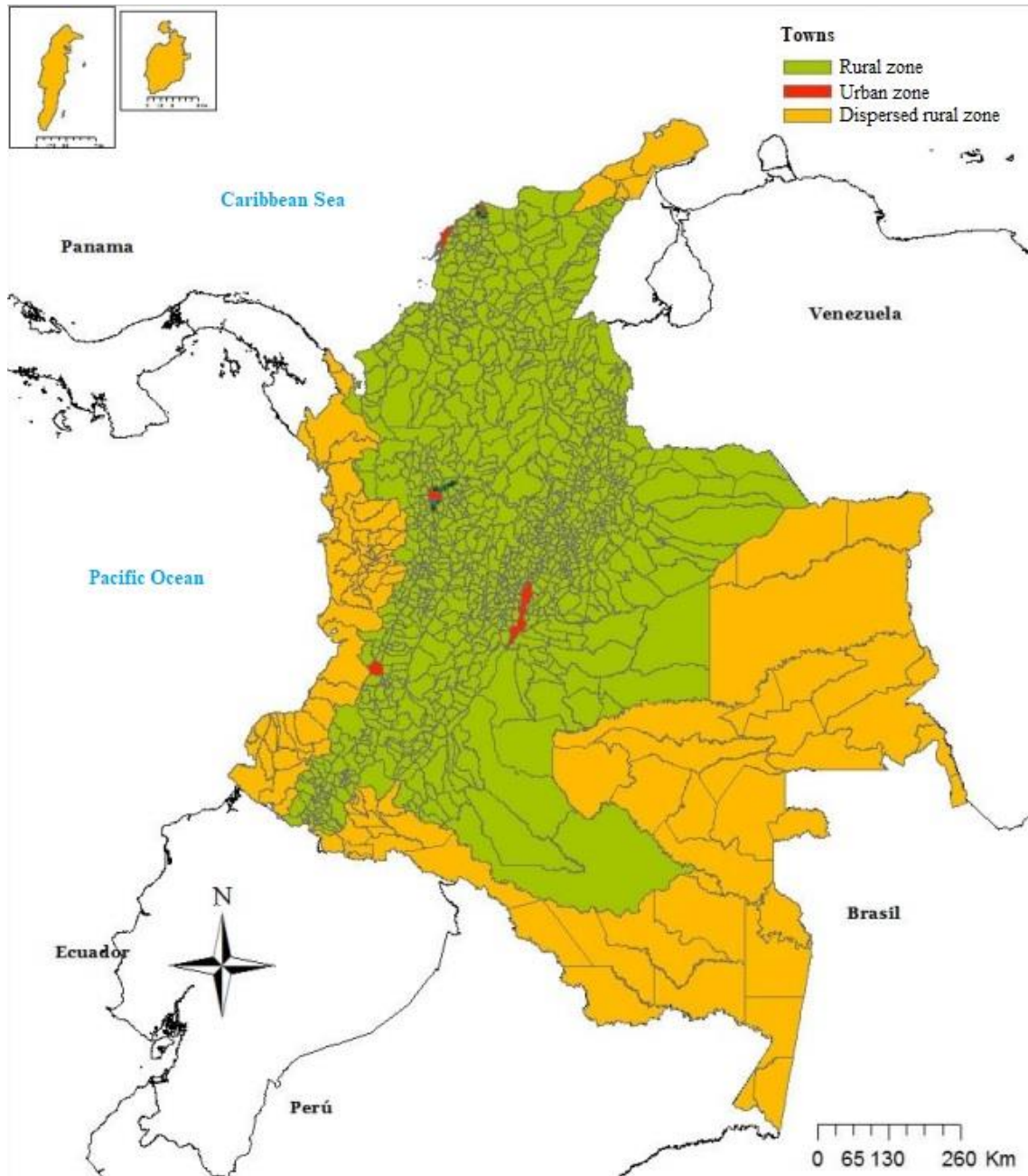


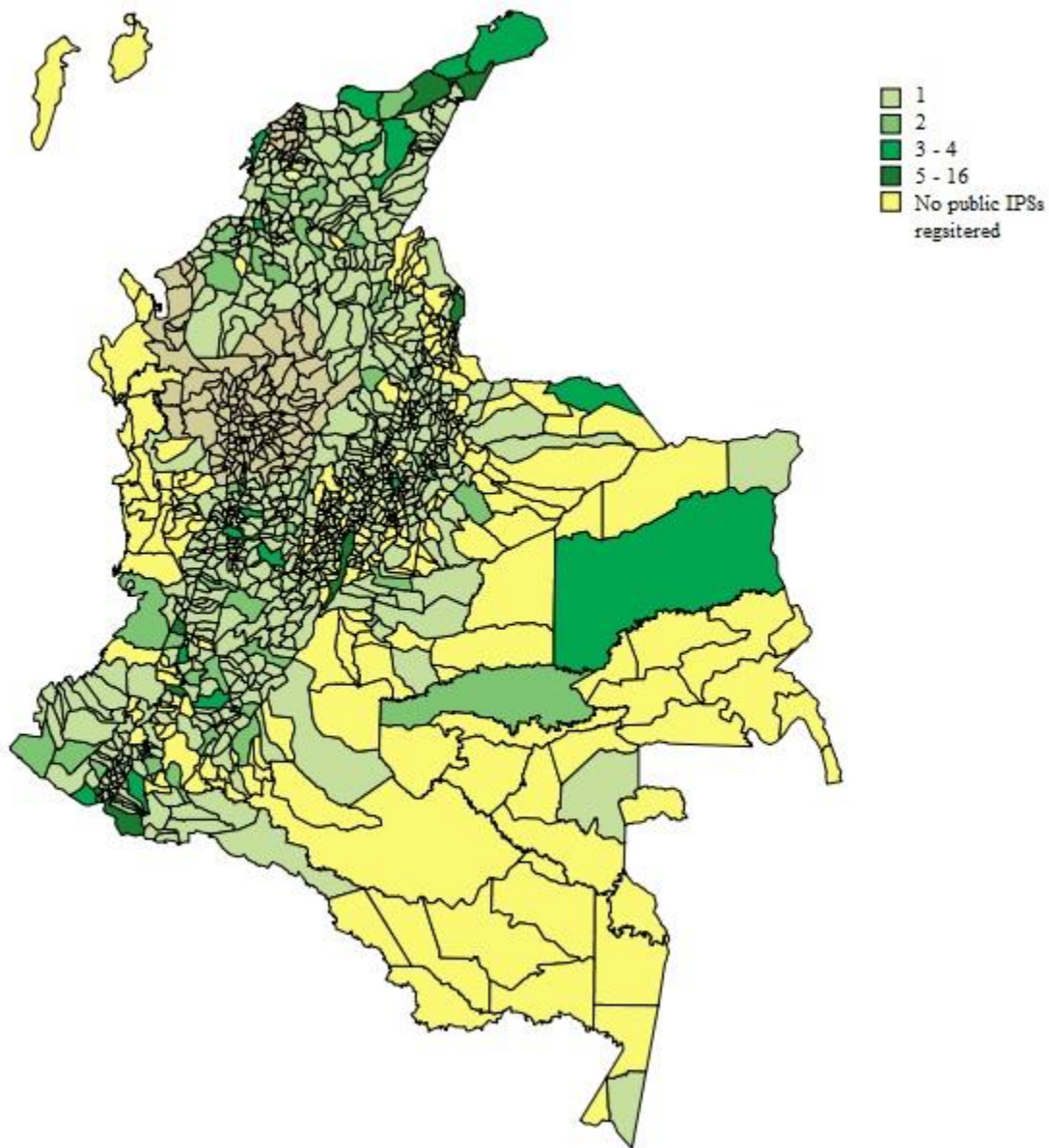
Supplementary Materials

Supplementary Table 1. Comparison of prostate, breast, stomach, lung and cervix cancer percentages in Manizales cancer registry and the grouped population-based cancer registries.				
Type of cancer	5-year survival percentage in the grouped population- based cancer registries			5-year survival percentage in Manizales cancer registry
	1995 – 1999	2000 – 2004	2005 – 2009	2003 – 2007
Prostate	67.1	80.5	78.6	71.1
Breast	65.7	70.4	76.1	71
Stomach	15.4	17.7	16.6	23.8
Lung	6.1	9.0	9.0	15.4
Cervix	50.6	56.8	59.3	51.4
<i>Footnote: Data are from [1,2]</i>				



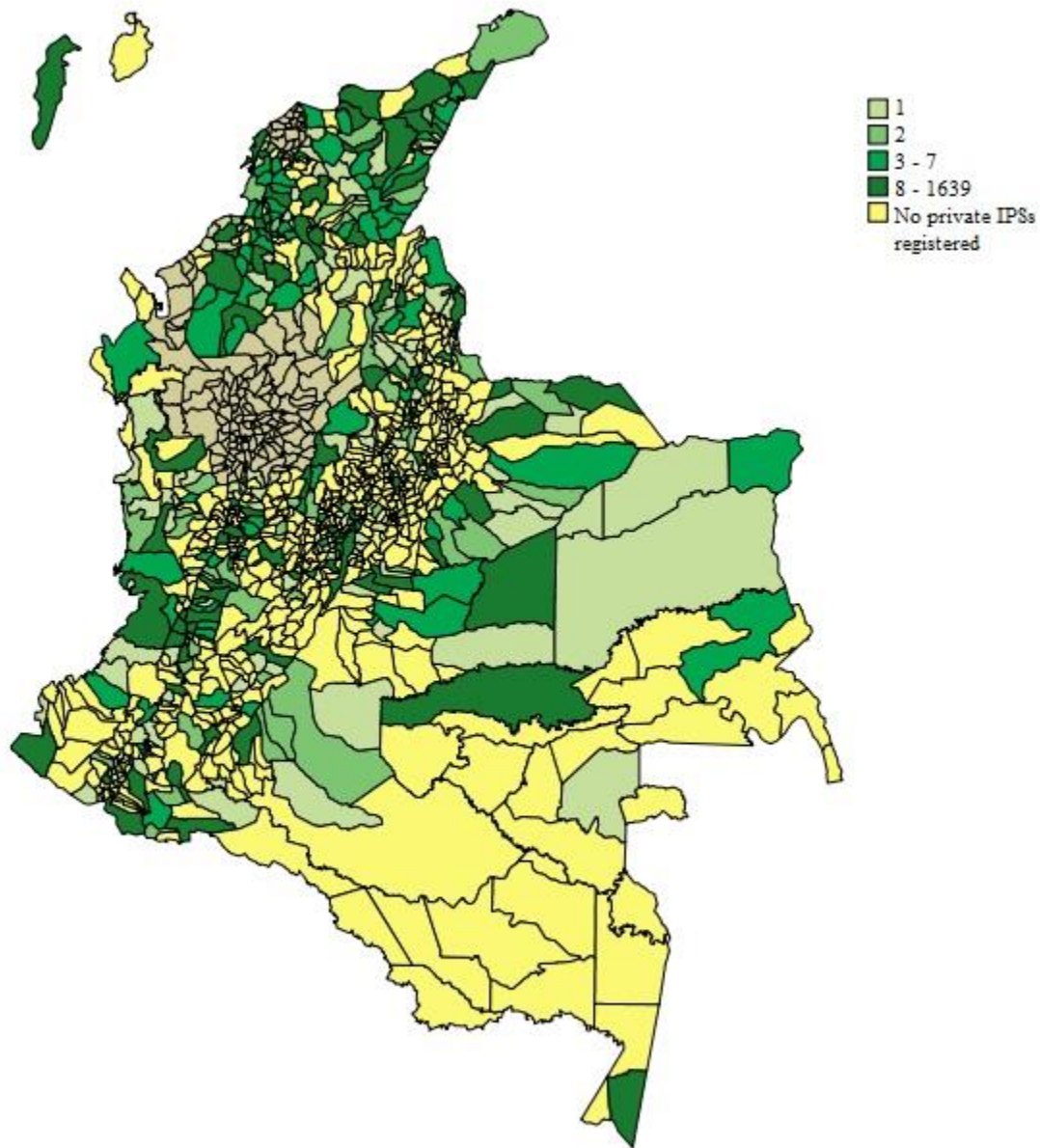
Supplementary Figure 1. Urban, rural community, and dispersed rural settlement zones in Colombia. Urban zones (red) represent cities with high population density and good geographic access to health care services. Green rural zones contain the majority of towns in the country. Dispersed rural settlement zones (orange) represent low population density

Note: Image from [3].



Supplementary Figure 2. Number of public Health Provider Institutions (IPS, by its acronym in Spanish) by region in 2016. Most of towns with two or more public IPSs are in urban or rural zones.

Note: Image from [4]



Supplementary Figure 3. Number of private Health Provider Institutions (IPS, by its acronym in Spanish) by region in 2016.

Note: Image from [4]

Supplementary Table 2. Breast Cancer Comprehensive Health Care Route (RIAS by its acronym in Spanish).

Intervention	Definition	Target population according life course	Health Care Team Required
Promotion of healthy lifestyles and environments	Development of interventions to control risk factors	Childhood, adolescents, young adults, adults and elders	Physician, Registered Nurse, Nursing and Public Health Assistants
Promotion of breast self-exam and screening services	Strategies to promote self-care exam and efficient use of screening tests	Young adults, adults and elders	Physician, Registered Nurse, Nursing and Public Health Assistants
Redirection to health care services	Identify and redirect women between 40 and 69 years old to primary care settings to make screening tests	Adults and elders	Registered Nurse, Nursing and Public Health Assistants
Risk identification and classification	Identification and classification of risk factors according to CPG	Adolescents, young adults, adults and elders	Physician, Registered Nurse, Nursing and Public Health Assistants

Genetic counseling	Assessment of inherited and personal risks to make additional tests if necessary, for prophylactic treatment	Adolescents, young adults, adults and elders	Physician specialized in genetics
Breast Cancer Screening	Breast exams for early detection according to age	Adults and elders	Physician, Gynecologist, Radiologist
Diagnosis of breast cancer	Diagnosis tests in symptomatic people	Adolescents, young adults, adults and elders	Physician, Gynecologist, Radiologist
Interpretation of mammography / echography	Interpretation of screening tests and tracking according BIRADS report	Young adults, adults and elders	Physician, Gynecologist, Surgeon, Breast Specialist
Appointment with breast cancer specialist	Assessment, clinic classification of the patient and biopsy request	Young adults, adults and elders	Gynecologist, Surgeon, Breast Specialist
Pathology interpretation	Generation of the pathology inform	Young adults, adults and elders	Pathologist
Authorization	Authorization of antineoplastic treatment	Young adults, adults and elders	Administrative team of EPSs and IPSs

	by the EPS of the patient		
Antineoplastic Treatment	Antineoplastic treatment according breast cancer stage and CPG	Young adults, adults and elders	Surgeon, Oncologist, Radiologist
Follow-up	Control appointments after each treatment phase	Young adults, adults and elders	Physician, Gynecologist, Breast Specialist, Oncologist, Radiologist
Oncological support program	Activities for lost or decreased functions by breast cancer	Young adults, adults and elders	Registered Nurse or Physician Specialized in Palliative Care, Psychologist, Psychiatrist
Data are from [5]			

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