



Epidemiologia e Nomenclatura dos Tumores

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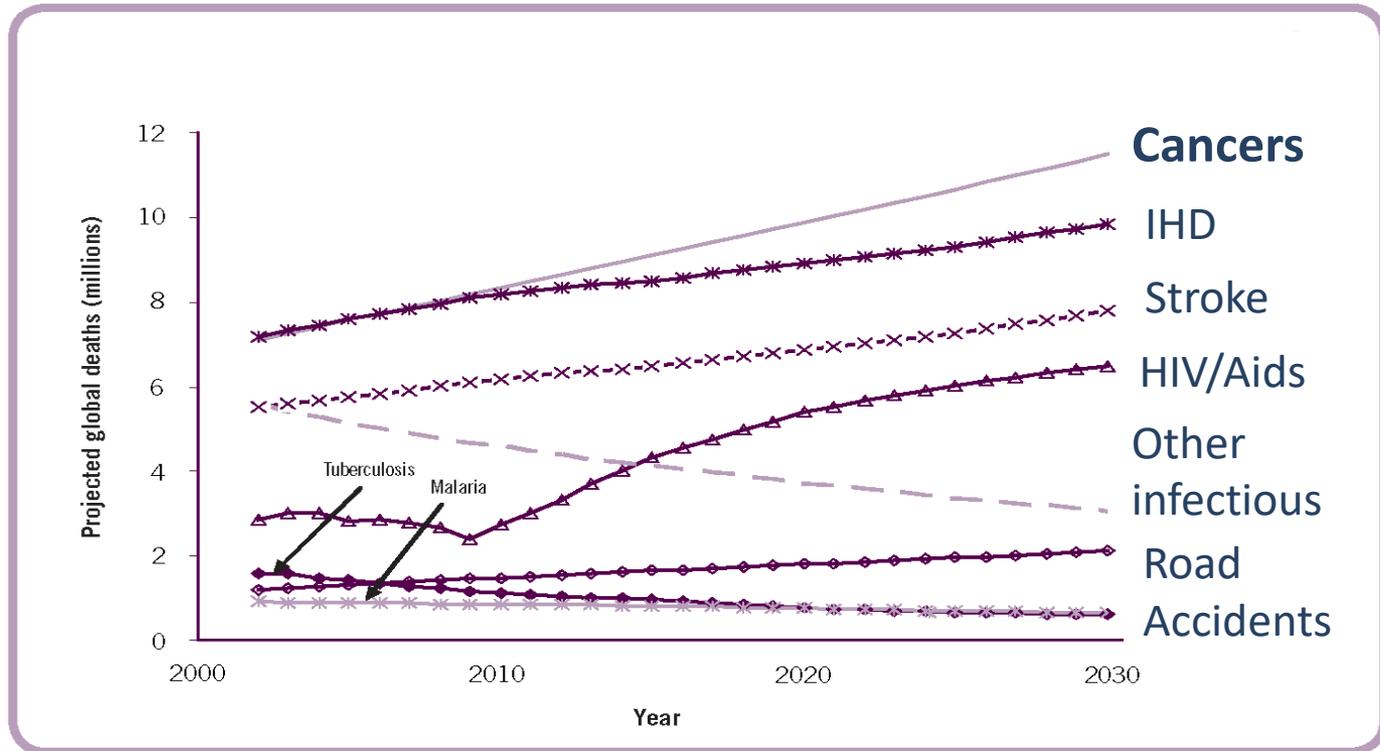
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Epidemiologia das Neoplasias

- Importância e distribuição dos cânceres em populações humanas
 - Etiologia/Fatores de risco
 - Detecção precoce/Prevenção
 - Prognóstico
 - Tratamento

Epidemiologia das Neoplasias



Epidemiologia das Neoplasias

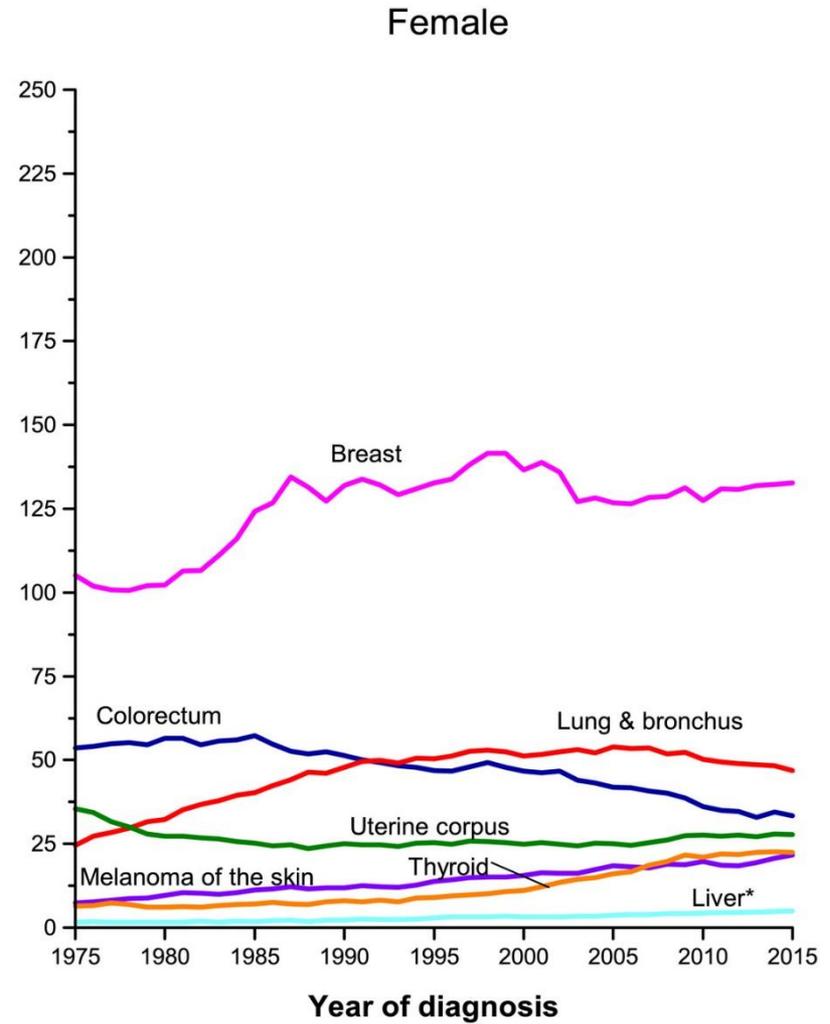
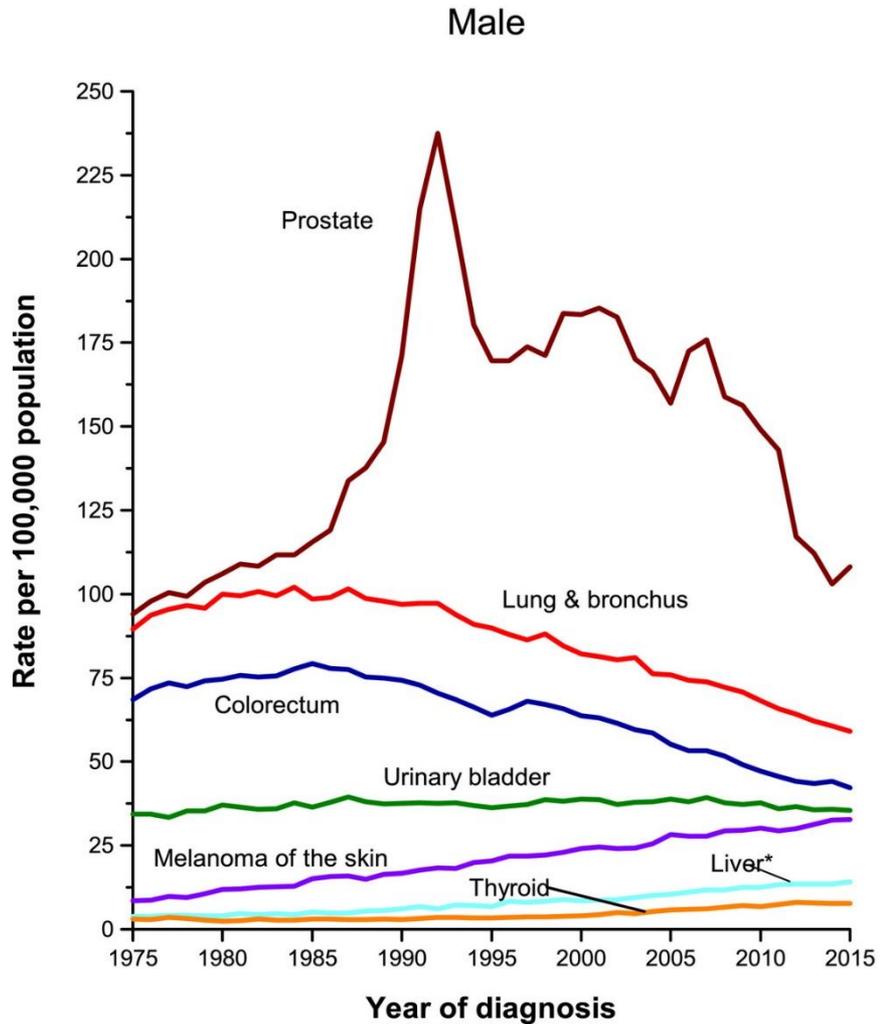
Estimated New Cases

				Males	Females				
Prostate	174,650	20%			Breast	268,600	30%		
Lung & bronchus	116,440	13%			Lung & bronchus	111,710	13%		
Colon & rectum	78,500	9%			Colon & rectum	67,100	8%		
Urinary bladder	61,700	7%			Uterine corpus	61,880	7%		
Melanoma of the skin	57,220	7%			Melanoma of the skin	39,260	4%		
Kidney & renal pelvis	44,120	5%			Thyroid	37,810	4%		
Non-Hodgkin lymphoma	41,090	5%			Non-Hodgkin lymphoma	33,110	4%		
Oral cavity & pharynx	38,140	4%			Kidney & renal pelvis	29,700	3%		
Leukemia	35,920	4%			Pancreas	26,830	3%		
Pancreas	29,940	3%			Leukemia	25,860	3%		
All Sites	870,970	100%				891,480	100%		

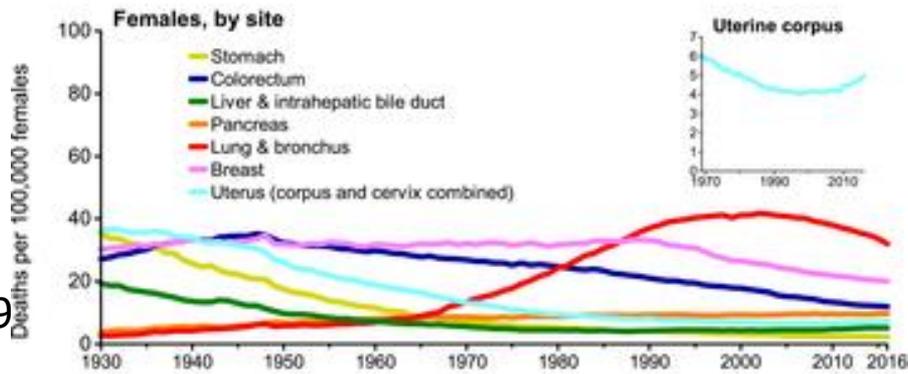
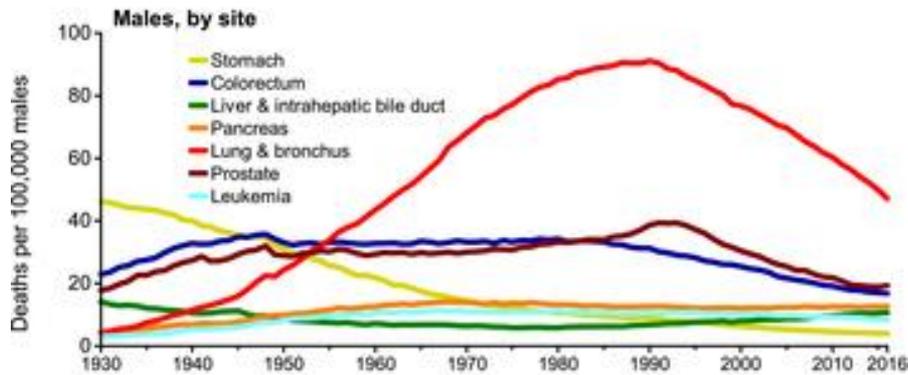
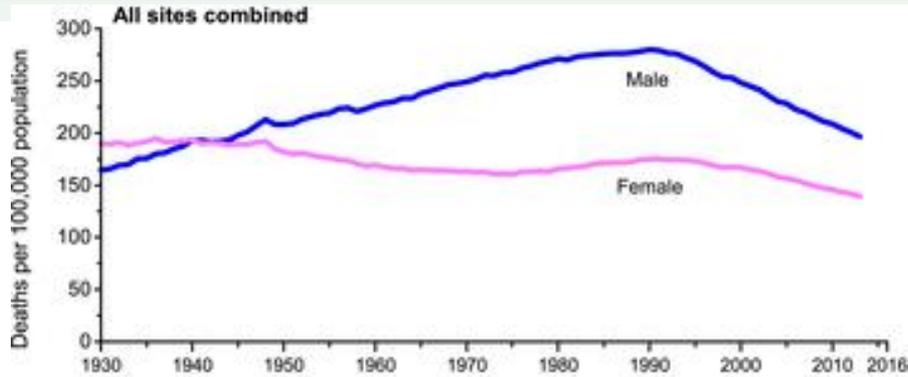
Estimated Deaths

				Males	Females				
Lung & bronchus	76,650	24%			Lung & bronchus	66,020	23%		
Prostate	31,620	10%			Breast	41,760	15%		
Colon & rectum	27,640	9%			Colon & rectum	23,380	8%		
Pancreas	23,800	7%			Pancreas	21,950	8%		
Liver & intrahepatic bile duct	21,600	7%			Ovary	13,980	5%		
Leukemia	13,150	4%			Uterine corpus	12,160	4%		
Esophagus	13,020	4%			Liver & intrahepatic bile duct	10,180	4%		
Urinary bladder	12,870	4%			Leukemia	9,690	3%		
Non-Hodgkin lymphoma	11,510	4%			Non-Hodgkin lymphoma	8,460	3%		
Brain & other nervous system	9,910	3%			Brain & other nervous system	7,850	3%		
All Sites	321,670	100%				285,210	100%		

Epidemiologia das Neoplasias



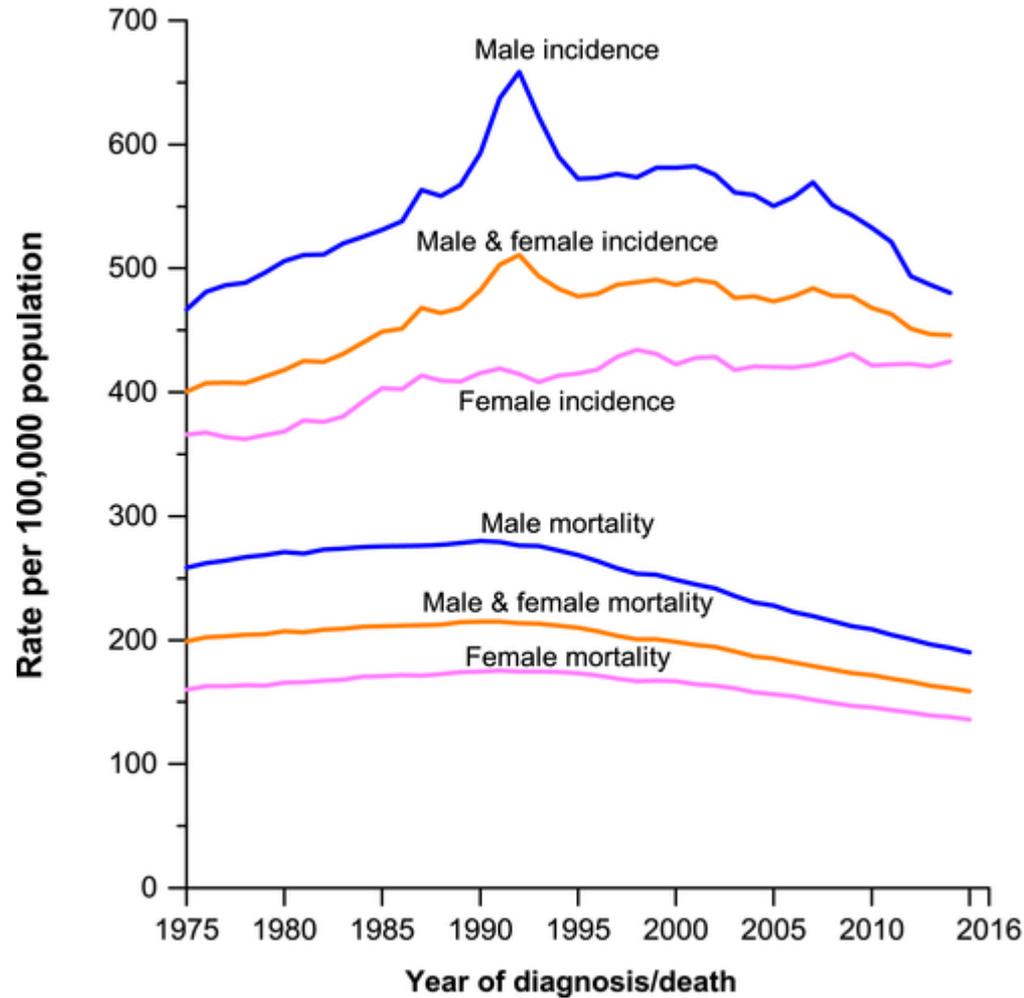
Epidemiologia das Neoplasias



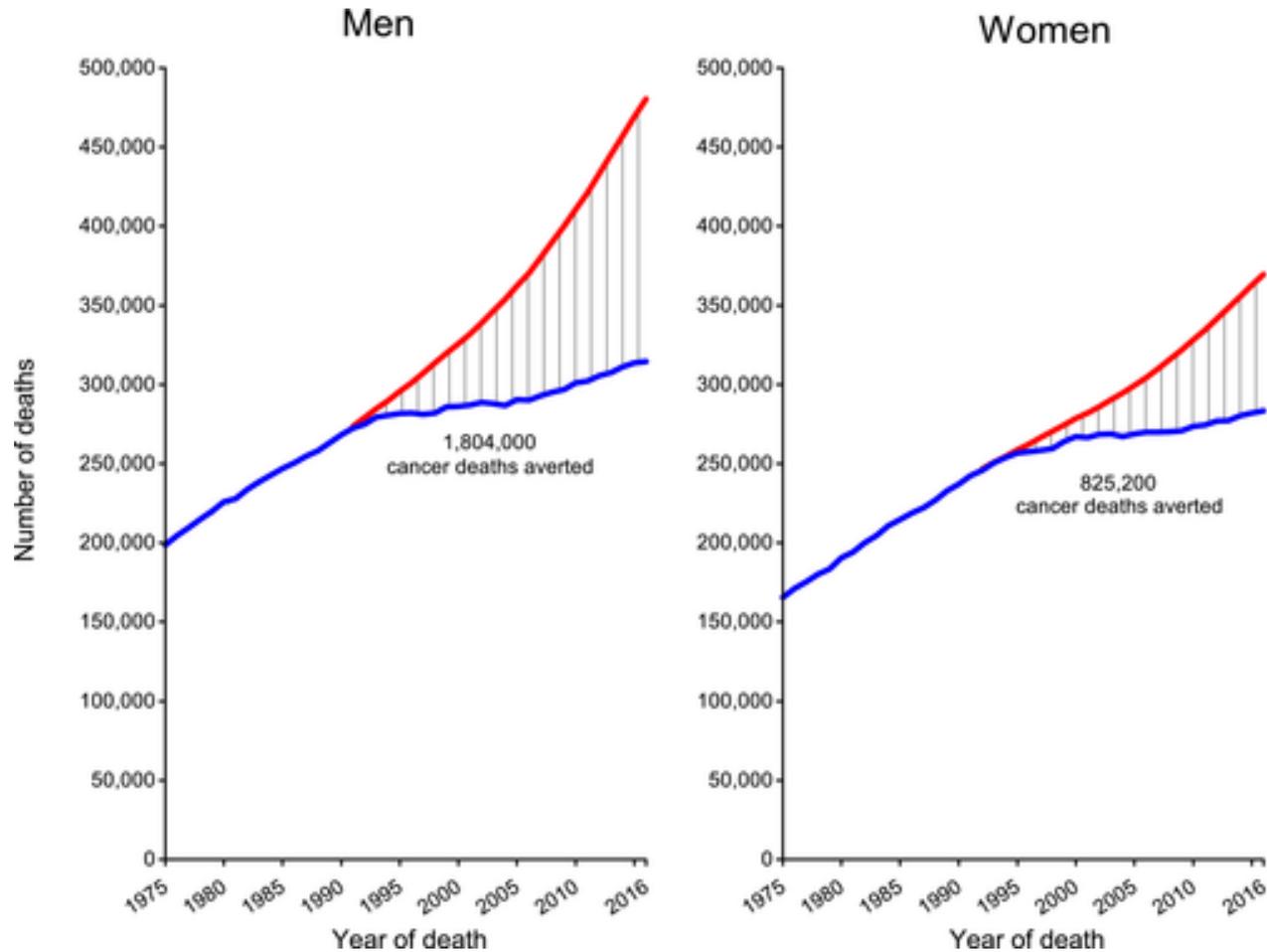
Siegel et al, CA, 2019

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Epidemiologia das Neoplasias



Epidemiologia das Neoplasias



Epidemiologia das Neoplasias

- Fatores geográficos e ambientais
- Idade
- Predisposição genética

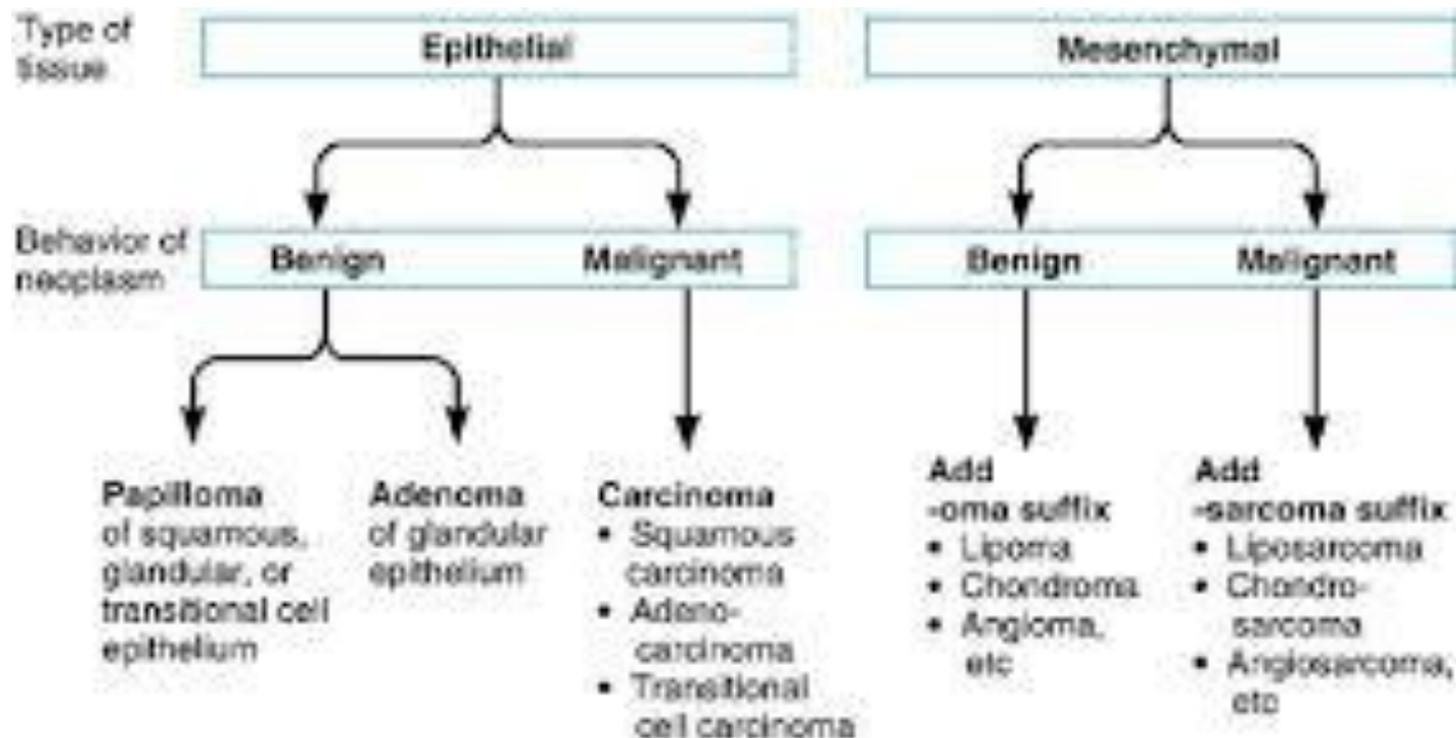
Nomenclatura Geral das Neoplasias

- Neoplasias benignas:
 - Não epiteliais – “oma”s
 - Epiteliais – Arranjo tecidual
 - Adenomas, papilomas, cistadenomas

Nomenclatura Geral das Neoplasias

- Neoplasias malignas:
 - Não epiteliais – “sarcoma”s
 - Epiteliais – Carcinomas
 - Adicionalmente incluindo organização tecidual – adenocarcinoma, carcinoma epidermóide, cistadenocarcinoma, etc.
 - Tumores mistos

Nomenclatura Geral das Neoplasias



Source: Chandrasoma P, Taylor CR: Corcine Pathology, 2nd Edition: <http://www.accessmedicine.com>

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Nomenclatura Geral das Neoplasias

Tissue of Origin	Benign	Malignant	Tissue of Origin	Benign	Malignant
Composed of one parenchymal cell type			Tumors of Epithelial Origin (cont'd)		
Tumors of Mesenchymal Origin			Epithelial lining of glands or ducts		
Connective tissue and derivatives	Fibroma Lipoma Chondroma Osteoma	Fibrosarcoma Liposarcoma Chondrosarcoma Osteogenic sarcoma	Respiratory passages	Adenoma Papilloma Cystadenoma	Adenocarcinoma Papillary carcinomas Cystadenocarcinoma
Vessels and surface coverings			Renal epithelium	Bronchial adenoma	Bronchogenic carcinoma
Blood vessels	Hemangioma	Angiosarcoma	Liver cells	Renal tubular adenoma	Renal cell carcinoma
Lymph vessels	Lymphangioma	Lymphangiosarcoma	Urinary tract epithelium (transitional)	Hepatic adenoma	Hepatocellular carcinoma
Mesothelium	Benign fibrous tumor	Mesothelioma	Placental epithelium	Transitional cell papilloma	Transitional cell carcinoma
Brain coverings	Meningioma	Invasive meningioma	Testicular epithelium (germ cells)	Hydatidiform mole	Choriocarcinoma
Blood Cells and Related Cells			Tumors of Melanocytes	Nevus	Seminoma Embryonal carcinoma
Hematopoietic cells		Leukemias	More than one neoplastic cell type—mixed tumors, usually derived from one germ cell layer		
Lymphoid tissue		Lymphomas	Salivary glands	Pleomorphic adenoma (mixed tumor of salivary origin)	Malignant mixed tumor of salivary gland origin
Muscle			Renal anlage		Wilms tumor
Smooth	Leiomyoma	Leiomyosarcoma	More than one neoplastic cell type derived from more than one germ cell layer—teratogenous		
Striated	Rhabdomyoma	Rhabdomyosarcoma	Totipotential cells in gonads or in embryonic rests	Mature teratoma, dermoid cyst	Immature teratoma, teratocarcinoma
Tumors of Epithelial Origin					
Stratified squamous	Squamous cell papilloma	Squamous cell carcinoma			
Basal cells of skin or adnexa		Basal cell carcinoma			

