

# [PL] Earliest event of Prostate cancer, among adult males

Cohort Definition Id: 10645

Link to Editable Definition: <https://epi.jnj.com/atlas/#/cohortdefinition/10645>

## Cohort Definition Description

source: 5907; hashTag: #ASSURE, #Indication, #ASSURE-Indication; submitter: Rupa Makadia logic: Earliest event of Prostate cancer restricting age greater than or equal to 18 and males; indexed on prostate cancer diagnosis; cohort exit is the end of continuous observation.

## Clinical Description

Prostate cancer is a cancer of the prostate gland, an organ of the male reproductive system located below the bladder and surrounding the urethra. It is the second most common malignancy in men and the fifth leading cause of death worldwide. Median age at diagnosis is approximately 67 years.

## Evaluation Summary

NA

## Human Readable Algorithm

### Cohort Entry Events

People enter the cohort when observing any of the following:

1. condition occurrences of 'Prostate cancer', who are male  $\geq$  18 years old.

Limit cohort entry events to the earliest event per person.

### Cohort Exit

The person exits the cohort at the end of continuous observation.

### Cohort Eras

Remaining events will be combined into cohort eras if they are within 0 days of each other.

## Concept Sets

### Prostate cancer

#### Concept Set Logic

conceptId	conceptName	vocabularyId	includeDescendants	isExcluded	includeMapped
4163261	Malignant tumor of prostate	SNOMED	TRUE	FALSE	FALSE

## Included Concepts

conceptId	conceptName	vocabularyId
44502035	Acinar cell carcinoma of prostate gland	ICDO3
37311683	Acinar cell cystadenocarcinoma of prostate	SNOMED

conceptId	conceptName	vocabularyId
36550033	Acinar cell cystadenocarcinoma of prostate gland	ICDO3
1553599	Adenocarcinoid tumor of prostate gland	ICDO3
36519743	Adenocarcinoma in tubulovillous adenoma of prostate gland	ICDO3
36538788	Adenocarcinoma in villous adenoma of prostate gland	ICDO3
4161028	Adenocarcinoma of prostate	SNOMED
36673096	Adenocarcinoma of the prostate metastatic	MedDRA
36552560	Adenocarcinoma with apocrine metaplasia of prostate gland	ICDO3
36520903	Adenocarcinoma with cartilaginous and osseous metaplasia of prostate gland	ICDO3
44500595	Adenocarcinoma with mixed subtypes of prostate gland	ICDO3
44499820	Adenocarcinoma with neuroendocrine differentiation of prostate gland	ICDO3
36530505	Adenocarcinoma with spindle cell metaplasia of prostate gland	ICDO3
36535056	Adenocarcinoma with squamous metaplasia of prostate gland	ICDO3
36540664	Adenoid cystic carcinoma of prostate gland	ICDO3
1553105	Adenosarcoma of prostate gland	ICDO3
44503558	Adenosquamous carcinoma of prostate gland	ICDO3
36517339	ALK positive large B-cell lymphoma of prostate gland	ICDO3
36550817	Alveolar adenocarcinoma of prostate gland	ICDO3
44501366	Alveolar rhabdomyosarcoma of prostate gland	ICDO3
36566280	Angiomyosarcoma of prostate gland	ICDO3
36554023	Basal cell adenocarcinoma of prostate gland	ICDO3
44500494	Basal cell carcinoma, NOS, of prostate gland	ICDO3
36528487	Basaloid carcinoma of prostate gland	ICDO3
36545982	B-cell chronic lymphocytic leukemia/small lymphocytic lymphoma of prostate gland	ICDO3
36531690	B lymphoblastic leukemia/lymphoma, NOS, of prostate gland	ICDO3
36545389	B lymphoblastic leukemia/lymphoma with hyperdiploidy of prostate gland	ICDO3
36540790	B lymphoblastic leukemia/lymphoma with hypodiploidy (Hypodiploid ALL) of prostate gland	ICDO3
36524219	B lymphoblastic leukemia/lymphoma with t(1;19)(q23;p13.3); E2A-PBX1 (TCF3-PBX1) of prostate gland	ICDO3
36521407	B lymphoblastic leukemia/lymphoma with t(12;21)(p13;q22); TEL-AML1 (ETV6-RUNX1) of prostate gland	ICDO3
36559400	B lymphoblastic leukemia/lymphoma with t(5;14)(q31;q32); IL3-IGH of prostate gland	ICDO3
36535181	B lymphoblastic leukemia/lymphoma with t(9;22)(q34;q11.2); BCR-ABL1 of prostate gland	ICDO3
36528448	B lymphoblastic leukemia/lymphoma with t(v;11q23); MLL rearranged of prostate gland	ICDO3
36566722	Carcinoma, anaplastic, NOS, of prostate gland	ICDO3
44503133	Carcinoma, NOS, of prostate gland	ICDO3
4116087	Carcinoma of prostate	SNOMED
36673097	Carcinoma of the prostate metastatic	MedDRA
44499712	Carcinoma, undifferentiated, NOS, of prostate gland	ICDO3
36559613	Carcinoma with osteoclast-like giant cells of prostate gland	ICDO3
36548533	Carcinosarcoma, embryonal of prostate gland	ICDO3
36543006	Carcinosarcoma, NOS, of prostate gland	ICDO3
36559448	Chondrosarcoma, NOS, of prostate gland	ICDO3
36540985	Choriocarcinoma, NOS, of prostate gland	ICDO3
36560590	Clear cell adenocarcinoma, NOS, of prostate gland	ICDO3
36520216	Cloacogenic carcinoma of prostate gland	ICDO3
44500341	Combined small cell carcinoma of prostate gland	ICDO3
44503145	Cribiform carcinoma, NOS, of prostate gland	ICDO3
36565427	Desmoplastic small round cell tumor of prostate gland	ICDO3

conceptId	conceptName	vocabularyId
42512688	Diffuse large B-cell lymphoma, NOS, of prostate gland	ICDO3
40488897	Diffuse non-Hodgkin's lymphoma of prostate	SNOMED
36564577	Duct carcinoma, desmoplastic type of prostate gland	ICDO3
36529320	Ectomesenchymoma of prostate gland	ICDO3
44502350	Embryonal rhabdomyosarcoma, NOS, of prostate gland	ICDO3
36559535	Encapsulated papillary carcinoma with invasion of prostate gland	ICDO3
4082919	Endometrioid carcinoma of prostate	SNOMED
36555690	Epithelial-myoepithelial carcinoma of prostate gland	ICDO3
36564340	Epithelioid leiomyosarcoma of prostate gland	ICDO3
36533342	Epithelioid sarcoma, NOS, of prostate gland	ICDO3
36538823	Epithelioma, malignant of prostate gland	ICDO3
42511841	Extra-adrenal paraganglioma, NOS, of prostate gland	ICDO3
37395835	Familial prostate cancer	SNOMED
36552989	Fascial fibrosarcoma of prostate gland	ICDO3
36564328	Fibroblastic reticular cell tumor of prostate gland	ICDO3
36522370	Fibrosarcoma, NOS, of prostate gland	ICDO3
42512430	Follicular lymphoma, NOS, of prostate gland	ICDO3
40488901	Follicular non-Hodgkin's lymphoma of prostate	SNOMED
36529897	Giant cell and spindle cell carcinoma of prostate gland	ICDO3
36535925	Giant cell carcinoma of prostate gland	ICDO3
44501968	Giant cell sarcoma of prostate gland	ICDO3
36545616	Glassy cell carcinoma of prostate gland	ICDO3
36547024	Hemangiosarcoma of prostate gland	ICDO3
36543214	HHV8 positive diffuse large B-cell lymphoma of prostate gland	ICDO3
4141960	Hormone refractory prostate cancer	SNOMED
36716186	Hormone sensitive prostate cancer	SNOMED
36546114	Infantile fibrosarcoma of prostate gland	ICDO3
44499514	Infiltrating duct carcinoma, NOS, of prostate gland	ICDO3
37311236	Infiltrating duct carcinoma of prostate	SNOMED
44503555	Intraductal papillary adenocarcinoma with invasion of prostate gland	ICDO3
36527764	Intravascular large B-cell lymphoma of prostate gland	ICDO3
36521611	Langerhans cell histiocytosis, disseminated of prostate gland	ICDO3
36554370	Large cell carcinoma, NOS, of prostate gland	ICDO3
36557451	Large cell carcinoma with rhabdoid phenotype of prostate gland	ICDO3
44499864	Large cell neuroendocrine carcinoma of prostate gland	ICDO3
36550323	Leiomyosarcoma, NOS, of prostate gland	ICDO3
4200890	Local recurrence of malignant tumor of prostate	SNOMED
36563396	Lymphoepithelial carcinoma of prostate gland	ICDO3
36522940	Malignant fibrous histiocytoma of prostate gland	ICDO3
44500910	Malignant lymphoma, non-Hodgkin, NOS, of prostate gland	ICDO3
36563308	Malignant melanoma, NOS, of prostate gland	ICDO3
36536835	Malignant peripheral nerve sheath tumor, NOS, of prostate gland	ICDO3
36564066	Malignant tumor, clear cell type of prostate gland	ICDO3
36540099	Malignant tumor, giant cell type of prostate gland	ICDO3
4283738	Malignant tumor involving prostate by direct extension from bladder	SNOMED
4163261	Malignant tumor of prostate	SNOMED
36525551	Malignant tumor, spindle cell type of prostate gland	ICDO3
36531255	Marginal zone B-cell lymphoma, NOS, of prostate gland	ICDO3
36566340	Medullary carcinoma, NOS, of prostate gland	ICDO3
36556099	Metaplastic carcinoma, NOS, of prostate gland	ICDO3
42512655	Mixed acinar-ductal carcinoma of prostate gland	ICDO3
42512952	Mixed adenoneuroendocrine carcinoma of prostate gland	ICDO3

conceptId	conceptName	vocabularyId
44500734	Mixed cell adenocarcinoma of prostate gland	ICDO3
36525831	Mixed type rhabdomyosarcoma of prostate gland	ICDO3
44501350	Mucinous adenocarcinoma of prostate gland	ICDO3
44501528	Mucin-producing adenocarcinoma of prostate gland	ICDO3
36543289	Myeloid or lymphoid neoplasm with FGFR1 abnormalities of prostate gland	ICDO3
36543452	Myeloid or lymphoid neoplasm with PDGFRA rearrangement of prostate gland	ICDO3
36556846	Myeloproliferative neoplasm, unclassifiable of prostate gland	ICDO3
36547882	Myoepithelial carcinoma of prostate gland	ICDO3
42512398	Myofibroblastic sarcoma of prostate gland	ICDO3
36539639	Myosarcoma of prostate gland	ICDO3
36545805	Myxofibrosarcoma of prostate gland	ICDO3
36551235	Myxoid leiomyosarcoma of prostate gland	ICDO3
44502000	Neoplasm, malignant of prostate gland	ICDO3
36559668	Nephroblastoma, NOS, of prostate gland	ICDO3
36527397	Neuroblastoma, NOS, of prostate gland	ICDO3
37177729	Neuroendocrine cancer of the prostate metastatic	MedDRA
44501627	Neuroendocrine carcinoma, NOS, of prostate gland	ICDO3
36520178	Neuroendocrine tumor, NOS, of prostate gland	ICDO3
40486666	Non-Hodgkin's lymphoma of prostate	SNOMED
1553133	Non-small cell carcinoma of prostate gland	ICDO3
36551411	Oxyphilic adenocarcinoma of prostate gland	ICDO3
42512377	Paget disease, extramammary of prostate gland	ICDO3
44499641	Papillary adenocarcinoma, NOS, of prostate gland	ICDO3
36529044	Papillary carcinoma, NOS, of prostate gland	ICDO3
36567202	Papillary squamous cell carcinoma of prostate gland	ICDO3
44499734	Papillary urothelial carcinoma of prostate gland	ICDO3
1553597	Paraganglioma, NOS, of prostate gland	ICDO3
36550674	Plasmablastic lymphoma of prostate gland	ICDO3
36533689	Pleomorphic carcinoma of prostate gland	ICDO3
36563529	Pleomorphic rhabdomyosarcoma, adult type of prostate gland	ICDO3
36544659	Polygonal cell carcinoma of prostate gland	ICDO3
36518000	Precursor T-cell lymphoblastic leukemia of prostate gland	ICDO3
37166518	Primary acinar cell cystadenocarcinoma of prostate	SNOMED
37166523	Primary adenocarcinoma of prostate	SNOMED
37166255	Primary carcinoma of prostate	SNOMED
37166525	Primary endometrioid carcinoma of prostate	SNOMED
37166521	Primary infiltrating duct carcinoma of prostate	SNOMED
37174104	Primary malignant hormone-refractory neoplasm of prostate	SNOMED
200962	Primary malignant neoplasm of prostate	SNOMED
37166560	Primary small cell neuroendocrine carcinoma of prostate	SNOMED
36617703	Prostate cancer metastatic	MedDRA
36617705	Prostate cancer stage 0	MedDRA
36617706	Prostate cancer stage I	MedDRA
36617707	Prostate cancer stage II	MedDRA
36617708	Prostate cancer stage III	MedDRA
36617709	Prostate cancer stage IV	MedDRA
37177733	Prostate sarcoma	MedDRA
36673099	Prostatic cancer metastatic	MedDRA
36565415	Pseudosarcomatous carcinoma of prostate gland	ICDO3
36712762	Recurrent malignant neoplasm of prostate	SNOMED
36525240	Rhabdoid tumor, NOS, of prostate gland	ICDO3
36519105	Rhabdomyosarcoma, NOS, of prostate gland	ICDO3

conceptId	conceptName	vocabularyId
36526468	Sarcoma, NOS, of prostate gland	ICDO3
36519069	Schneiderian carcinoma of prostate gland	ICDO3
36550618	Scirrhus adenocarcinoma of prostate gland	ICDO3
42512260	Sebaceous carcinoma of prostate gland	ICDO3
36547431	Seminoma, NOS, of prostate gland	ICDO3
44500459	Signet ring cell carcinoma of prostate gland	ICDO3
36552590	Small cell carcinoma, fusiform cell of prostate gland	ICDO3
37163177	Small cell neuroendocrine carcinoma of prostate	SNOMED
36552151	Small cell sarcoma of prostate gland	ICDO3
36539709	Solid carcinoma, NOS, of prostate gland	ICDO3
36519333	Solitary fibrous tumor, malignant of prostate gland	ICDO3
36524677	Spindle cell carcinoma, NOS, of prostate gland	ICDO3
36558122	Spindle cell rhabdomyosarcoma of prostate gland	ICDO3
36567912	Spindle cell sarcoma of prostate gland	ICDO3
44500716	Squamous cell carcinoma, adenoid of prostate gland	ICDO3
36534013	Squamous cell carcinoma, keratinizing, NOS, of prostate gland	ICDO3
36531450	Squamous cell carcinoma, large cell, nonkeratinizing, NOS, of prostate gland	ICDO3
36532395	Squamous cell carcinoma, microinvasive of prostate gland	ICDO3
4164017	Squamous cell carcinoma of prostate	SNOMED
36532454	Squamous cell carcinoma, small cell, nonkeratinizing of prostate gland	ICDO3
36543315	Squamous cell carcinoma, spindle cell of prostate gland	ICDO3
36534105	Squamous cell carcinoma with horn formation of prostate gland	ICDO3
36558501	Stromal sarcoma, NOS, of prostate gland	ICDO3
36517801	Superficial spreading adenocarcinoma of prostate gland	ICDO3
36547390	Systemic EBV positive T-cell lymphoproliferative disease of childhood of prostate gland	ICDO3
36544527	T-cell/histiocyte rich large B-cell lymphoma of prostate gland	ICDO3
36540394	T-cell large granular lymphocytic leukemia of prostate gland	ICDO3
36554563	Teratocarcinoma of prostate gland	ICDO3
44501195	Transitional cell carcinoma, NOS, of prostate gland	ICDO3
36554139	Tubular adenocarcinoma of prostate gland	ICDO3
36568174	Tumor cells, malignant of prostate gland	ICDO3
36531262	Undifferentiated sarcoma of prostate gland	ICDO3
36543398	Urothelial carcinoma, micropapillary of prostate gland	ICDO3
36534262	Urothelial carcinoma, sarcomatoid of prostate gland	ICDO3
36553778	Verrucous carcinoma, NOS, of prostate gland	ICDO3
36543338	Villous adenocarcinoma of prostate gland	ICDO3
36544648	Yolk sac tumor, NOS, of prostate gland	ICDO3