

PROSTATE
MALES

TABLE 1A. -- Characteristics of persons reported to the Danish Cancer Registry with an initial cancer of the prostate gland, 1943-80+

Category	Male	Female	Total
No. with first primary cancer*	19,886	0	19,886
No. who developed a second primary cancer	594	0	594
Average age at diagnosis of first cancer, yr	72	0	72
Average yr of diagnosis of first cancer	1967	0	1967
Person-yr of follow-up	62,900	0	62,900
Average follow-up, yr	3.2	0	3.2
Percent given radiotherapy for first cancer	11	0	11

+ ICD-7 code = 177.

* Number excludes all persons who survived less than 2 mo after the diagnosis of their first primary cancer or who developed a simultaneous cancer during this period. First primary cancers diagnosed only at autopsy or by death certificate are also excluded as are in situ cancers.

TABLE 1B. -- Microscopic confirmation among persons who developed second primary cancers after an initial cancer of the prostate gland in Denmark, 1943-80

Microscopically confirmed	No.	Percent+
Both first and second cancers	420	70.7
Only the first cancer	75	12.6
Only the second cancer	68	11.5
Neither first nor second cancer	31	5.2
Total second primary cancers	594	100.0

+ Minor discrepancies between table entries, and row and column sums in this and subsequent tables are due to rounding.

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TABLE 1C. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the prostate gland among males in Denmark, 1943-80+

Second primary cancer site	Yr after first primary cancer diagnosis														
	<1 yr			1-4 yr			5-9 yr			10+ yr			Total		
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
No. starting interval	19,886			13,904			4,025			1,080			19,886		
Person-yr in interval	16,720			30,796			10,992			4,393			62,900		
All second cancers	110	287.52	0.4*	295	560.81	0.5*	124	223.71	0.6*	65	104.16	0.6*	594	1,176.21	0.5*
All excluding site of initial cancer	110	241.66	0.5*	295	468.95	0.6*	124	184.89	0.7*	65	84.67	0.8*	594	980.18	0.6*
Buccal cavity, pharynx	4	8.32	0.5	11	15.76	0.7	2	6.00	0.3	0	2.64	0.0	17	32.72	0.5*
Lip	0	4.52	0.0*	6	8.55	0.7	1	3.25	0.3	0	1.42	0.0	7	17.74	0.4*
Tongue	0	0.64	0.0	0	1.20	0.0	1	0.44	2.3	0	0.17	0.0	1	2.45	0.4
Salivary gland	0	0.68	0.0	0	1.29	0.0	0	0.50	0.0	0	0.22	0.0	0	2.69	0.0
Gum, other mouth	1	1.23	0.8	4	2.37	1.7	0	0.93	0.0	0	0.46	0.0	5	4.99	1.0
Pharynx	3	1.26	2.4	1	2.35	0.4	0	0.87	0.0	0	0.37	0.0	4	4.84	0.8
Digestive system	51	113.39	0.4*	117	218.82	0.5*	50	87.75	0.6*	26	41.20	0.6*	244	461.16	0.5*
Esophagus	2	4.96	0.4	5	9.27	0.5	2	3.57	0.6	0	1.58	0.0	9	19.37	0.5*
Stomach	20	36.30	0.6*	44	68.52	0.6*	12	27.02	0.4*	6	12.23	0.5	82	144.08	0.6*
Colon	14	26.50	0.5*	27	52.27	0.5*	12	21.64	0.6*	7	10.87	0.6	60	111.28	0.5*
Rectum	4	24.86	0.2*	19	47.82	0.4*	17	18.97	0.9	8	8.68	0.9	48	100.33	0.5*
Liver, biliary	3	6.13	0.5	6	12.25	0.5	1	5.05	0.2	2	2.48	0.8	12	25.91	0.5*
Pancreas	8	11.27	0.7	10	22.32	0.4*	5	9.04	0.6	3	4.26	0.7	26	46.88	0.6*
Respiratory system	15	51.71	0.3*	50	100.97	0.5*	17	38.17	0.4*	10	15.96	0.6	92	206.82	0.4*
Nasal cavities, sinuses	0	0.74	0.0	2	1.41	1.4	0	0.55	0.0	0	0.25	0.0	2	2.95	0.7
Larynx	3	3.34	0.9	2	6.42	0.3	2	2.40	0.8	3	1.01	3.0	10	13.17	0.8
Trachea, bronchus, lung	11	45.04	0.2*	45	88.06	0.5*	15	33.15	0.5*	7	13.74	0.5	78	179.98	0.4*
Prostate gland	0	45.86	0.0*	0	91.86	0.0*	0	38.82	0.0*	0	19.49	0.0*	0	196.03	0.0*
Testis	0	0.55	0.0	2	1.02	2.0	1	0.38	2.7	0	0.17	0.0	3	2.12	1.4
Kidney, renal pelvis, ureter	8	8.94	0.9	15	17.53	0.9	6	7.00	0.9	6	3.27	1.8	35	36.74	1.0
Bladder, other urinary	16	22.94	0.7	49	45.33	1.1	20	18.12	1.1	10	8.53	1.2	95	94.92	1.0
Melanoma of the skin	1	1.96	0.5	8	3.80	2.1	3	1.48	2.0	2	0.71	2.8	14	7.94	1.8
Eye	0	0.77	0.0	2	1.47	1.4	0	0.56	0.0	0	0.25	0.0	2	3.05	0.7
Brain, central nervous system	1	3.20	0.3	4	6.00	0.7	1	2.11	0.5	2	0.81	2.5	8	12.13	0.7
Thyroid gland	1	0.75	1.3	1	1.45	0.7	0	0.57	0.0	1	0.25	4.0	3	3.03	1.0
Bone	0	0.47	0.0	0	0.89	0.0	0	0.35	0.0	1	0.15	6.7	1	1.86	0.5
Connective tissue	0	0.90	0.0	1	1.68	0.6	4	0.65	6.2*	0	0.30	0.0	5	3.51	1.4
Lymphatic, hematopoietic system	9	18.07	0.5*	30	35.59	0.8	18	14.28	1.3	5	6.72	0.7	62	74.65	0.8
Non-Hodgkin's lymphoma	2	4.49	0.4	5	8.80	0.6	3	3.48	0.9	1	1.59	0.6	11	18.36	0.6
Hodgkin's disease	2	1.00	2.0	1	1.90	0.5	3	0.72	4.2	0	0.32	0.0	6	3.93	1.5
Multiple myeloma	1	3.44	0.3	2	6.82	0.3	4	2.76	1.4	1	1.29	0.8	8	14.31	0.6
Leukemias	4	8.97	0.4	21	17.74	1.2	8	7.20	1.1	3	3.46	0.9	36	37.35	1.0
Chronic lymphocytic	2	5.18	0.4	11	10.26	1.1	5	4.20	1.2	1	2.04	0.5	19	21.67	0.9
Acute nonlymphocytic	1	2.03	0.5	6	4.09	1.5	1	1.67	0.6	1	0.80	1.2	9	8.59	1.0

+ ICD-7 code = 177.

* P<.05.