

## Queensland Cancer Quality Index

Technical Appendix

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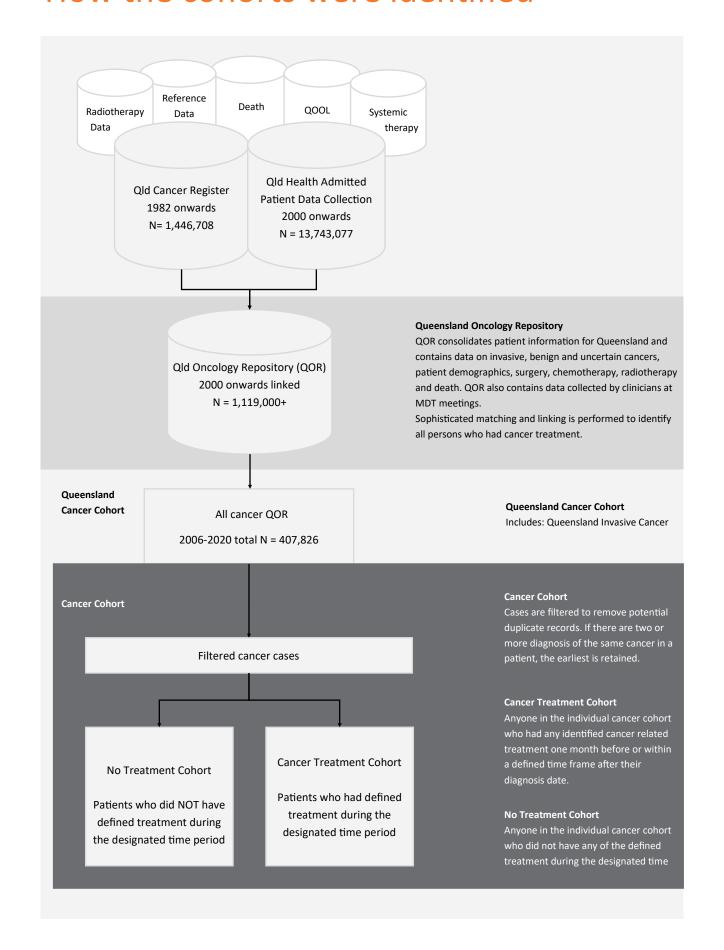
### The Cancer Index Indicators

Quality Dimension	Indicator	Description	Calculation
<b>1</b> Effective	1.1 Survival	What percentage of people with cancer are living 5 years after their diagnosis?	Percentage of people who would have survived if cancer was the only cause of death
	1.2 Queenslanders receiv- ing Multidisciplinary Team review (for cancer care)	How many Queenslanders with cancer receive multidisciplinary team (MDT) review during their cancer management?	Percentage of cancer patients receiving MDT review at anytime during their cancer management
	1.3 Queenslanders receiving cancer surgery	How many Queenslanders with cancer receive surgery?	Percentage of cancer patients receiving surgery
	1.4 Queenslanders receiving radiotherapy	How many Queenslanders with cancer receive radiotherapy	Percentage of cancer patients receiving radiotherapy
	1.5 Queenslanders receiving intravenous systemic therapy	How many Queenslanders with cancer receive intravenous systemic therapy	Percentage of cancer patients receiving intravenous systemic therapy
<b>2</b> Efficient	2.1 Hospital Stay	How long do people receiving cancer surgery stay in hospital?	Median time in days between the admission and discharge date of cancer surgery
<b>3</b> Safe	3.1 In-Hospital mortality	What percentage of patients die in-hospital after cancer surgery?	Percentage of patients who die in-hospital following cancer surgery
	3.2 30 day mortality	What percentage of patients die within 30 days of their cancer surgery?	Percentage of patients who die ≤ 30 days following cancer surgery
	3.3 90 day mortality	What percentage of patients die within 90 days of their cancer surgery?	Percentage of patients who die ≤ 90 days following cancer surgery
	3.4 1 year survival	What percentage of patients are alive one year after cancer surgery?	Percentage of patients still alive 1 year after cancer surgery
	3.5 2 year survival	What percentage of patients are alive two years after cancer surgery?	Percentage of patients still alive 2 years after cancer surgery
<b>4</b> Accessible	4.1 Timeliness	What percentage of public compared to private patients received their first cancer treatment within 30 days of diagnosis?	Percentage of patients whose time from diagnosis to first cancer treatment is ≤ 30 days
	4.2 Remoteness	What percentage of patients living outside a major city received their first cancer treatment?	Percentage of rural and remote patients receiving their cancer treatment
	4.3 Time to first treatment ≤ 30 days	What percentage of patients living outside major city receiving their first cancer treatment within 30 days of diagnosis?	Percentage of rural and remote patients whose time from diagnosis to cancer treatment is ≤ 30 days
<b>5</b> Equitable	5.1 Over 75 years	What percentage of patients aged ≥75 years received first cancer treatment within 30 days of diagnosis?	Percentage of older patients whose time from diagnosis to first cancer treatment is ≤ 30 days
	5.2 First Nations peoples	What percentage of First Nations patients received first cancer treatment within 30 days of diagnosis?	Percentage of First Nations patients whose time from diagnosis to first cancer treatment is ≤ 30 days
	5.3 Socio-economically disadvantaged	What percentage of socioeconomically disadvantaged patients received first cancer treatment within 30 days of diagnosis?	Percentage of socio-economically disadvantaged patients whose time from diagnosis to first cancer treatment is ≤ 30 days)

#### Data sources and methods

Key to Cancer Alliance's program of work is the ability to match and link population based cancer information on an individual patient basis. This matched and linked data is housed in the Queensland Oncology Repository (QOR), a resource managed by Cancer Alliance Queensland. QOR consolidates cancer information for the state and contains data on cancer diagnoses from the Queensland Cancer Register (QCR) and deaths, Queensland Hospital Admissions Data Collection (QHAPDC), surgery, radiation therapy and intravenous systemic therapy. QOR also includes data collected in QOOL by clinicians at multidisciplinary team (MDT) meetings across the state. QOR contains approximately 50 million records between 1982 - 2020. Our matching and linking processes provide matched and linked records of cancer patients from 1982 onwards which provide the data for The Cancer Index.

#### How the cohorts were identified



### Time periods

#### **DIAGNOSIS YEAR**

Cancer Site	ICD-O-3; Morphology	Time Period
The site and morphology of all cancers has been codea Edition (ICD-O-3)	according to the International C	lassification of Diseases for Oncology, 3rd
Breast	C50	01 January 2006 to 31 December 2020
Colorectal: colon/rectal	C18-C20, C218	01 January 2006 to 31 December 2020
CNS and brain: brain	C70-C71	01 January 2006 to 31 December 2020
Gynaecological: cervical/ovarian/uterine/vulva	C51, C53, C54, C56	01 January 2006 to 31 December 2020
Head and neck: hypopharynx/larynx/major salivary glands/nasal cavity and paranasal sinuses/ nasopharynx/oral cavity/oropharynx/other pharynx	C003-C14, C30-C32 (Excl ex- ternal lip C000-C002)	01 January 2006 to 31 December 2020
Hepatobiliary: pancreatic/biliary tract & small intestine (including duodenum)/liver	C17, C22, C24, C25 (Excl bile ducts and vater C240-C241)	01 January 2006 to 31 December 2020
Lung	C34, C34	01 January 2006 to 31 December 2020
Prostate	C61	01 January 2006 to 31 December 2020
Oesophago-gastric	C15, C16	01 January 2006 to 31 December 2020
Urological: bladder/testicular	C62, C67	01 January 2006 to 31 December 2020

#### **CANCER TREATMENT YEAR**

Cancer Site	Time Period
Breast	01 January 2000 to 31 July 2022
Colorectal: colon/rectal	01 January 2000 to 31 July 2022
CNS and brain: brain	01 January 2000 to 31 July 2022
Gynaecological: cervical/ovarian/uterine/vulva	01 January 2000 to 31 July 2022
Head and neck: hypopharynx/larynx/major salivary glands/nasal cavity and paranasal sinuses/nasopharynx/oral cavity/oropharynx/other pharynx	01 January 2000 to 31 July 2022
Hepatobiliary: pancreatic/biliary tract & small intestine (including duodenum)/ liver	01 January 2000 to 31 July 2022
Lung: non-small cell lung	01 January 2000 to 31 July 2022
Prostate	01 January 2000 to 31 July 2022
Oesophago-gastric	01 January 2000 to 31 July 2022
Urological: bladder/testicular	01 January 2000 to 31 July 2022

#### **Exclusions**

The following exclusions apply:

- Non Queensland residents
- Other conditions that patients may have had similar surgery for, e.g. gastrectomy for gastric ulcer

#### Identifying cancer patients

The number of new cases of cancers is generally higher than the number of persons with cancer. This is because one person can have two or more cancers and may be counted under two or more different cancer groups. Only primary invasive cancers are included in The Index. A primary cancer is one that occurs for the first time in a site or tissue (called the primary site) and is therefore not an extension, a recurrence or a metastasis of a pre-existing tumour.

The following examples illustrate the rules for identifying and counting cancer patients for this report:

- If a person has cancers in two different sites, then that person counts as 2 cases. For example if a woman was diagnosed with cancers in both the breast and rectum then she counts as 2 cases of cancer and will be included in both the breast and rectal cancer groups.
- If a person was diagnosed on two or more occasions with cancers in the same site, then that person counts as only one cancer case and the date of diagnosis will be based on the earliest diagnosis.

# Identification and categorisation of cancer surgeries

Potential cancer related procedures were identified from the Australian Classification of Health Interventions (ACHI) International Classification of Diseases (ICD-10-AM) 11th Edition, 2019. The identified procedures were reviewed by expert clinicians for completeness and accuracy and then categorised into cancer surgery groups. See page 7 for further details.

### Linking cancer treatment to a person

Each cancer diagnosed in a calendar year was matched and linked to one or many surgery records. This produces a list of all the surgeries performed for each cancer diagnosis. The surgeries are then categorised according to clinically developed rules which are specific to each indicator. Therefore a single cancer incidence and subsequent surgeries may be counted in a number of ways. For example a person diagnosed with colon cancer in 2006, had a colectomy in 2006 and an anterior resection in 2007. The colectomy would be used in the Accessible dimension and the anterior resection would be used in the Safe dimension.

Intravenous systemic therapy treatment is generated when a diagnosis primary site ICD code is matched to a cancer treatment primary site ICD code. The time period for an eligible match is occurrence from 30 days prior to the diagnosis to any time after. Where a primary site code is not recorded against treatment a match is generated where treatment occurs from 30 days prior to diagnosis to 365 days after diagnosis.

Radiation therapy treatment is generated when a diagnosis primary site ICD code is matched to a cancer treatment primary site ICD code. The time period for an eligible match is occurrence from 30 days prior to the diagnosis to any time after. Where a primary site code is not recorded against treatment a match is generated where treatment occurs from 30 days prior to diagnosis to 365 days after diagnosis.

### Cancer surgery groups

#### **BREAST CANCER SURGERY**

Breast Canco	Breast Cancer Surgery		
Excision of l	Excision of lesion		
3153600	Localisation of lesion of breast		
3150000	Excision of lesion of breast		
Mastectomy	Mastectomy		
3151800	Total mastectomy (unilateral)		
3151801	Total mastectomy (bilateral)		
3152400	Subcutaneous mastectomy (unilateral)		
3152401	Subcutaneous mastectomy (bilateral)		

#### **BRAIN CANCER SURGERY**

Brain Cance	r Surgery
3964000	Removal of lesion involving anterior cranial fossa
3964200	Removal of lesion involving anterior cranial fossa with clearance of paranasal sinus extension
3964600	Removal of lesion involving anterior cranial fossa with radical clearance of paranasal sinus and orbital fossa extensions
3965000	Removal of lesion involving middle cranial and infratemporal fossae
3970300	Biopsy of brain via burr holes
3970302	Biopsy of cerebral meninges via burr holes
3970600	Biopsy of brain via osteoplastic craniotomy
3970602	Biopsy of cerebral meninges via osteoplastic craniotomy
3970900	Removal of lesion of cerebrum
3970901	Removal of lesion of brain stem
3970902	Removal of lesion of cerebellum
3971200	Removal of lesion of cerebral meninges
3971203	Removal of intraventricular lesion
3971204	Removal of other intracranial lesion
4070302	Partial lobectomy of brain
4080300	Intracranial stereotactic localisation
4090301	Biopsy of brain via neuroendoscopy

#### GYNAECOLOGICAL CANCER SURGERY (CANCERS OF CERVICAL, OVARIAN, UTERINE OR VULVA)

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Major Resect	ions
Abdominal h	ysterectomy
3565300	Subtotal abdominal hysterectomy
3565301	Total abdominal hysterectomy
3565305	Laparoscopic subtotal abdominal hysterectomy
3565307	Laparoscopic total abdominal hysterectomy
3566700	Radical abdominal hysterectomy
3566702	Laparoscopic radical abdominal hysterectomy
Excision	
3561800	Cone biopsy of cervix
3561801	Cone biopsy of cervix by laser
3562300	Myomectomy of uterus via hysteroscopy
3563301	Polypectomy of uterus via hysteroscopy
3563804	Laparoscopic ovarian cystectomy, unilateral
3563805	Laparoscopic ovarian cystectomy, bilateral
3564901	Myomectomy of uterus via laparoscopy
3564903	Myomectomy of uterus
3571304	Ovarian cystectomy, unilateral
3571700	Ovarian cystectomy, bilateral
9043100	Other procedures on ovary
9045200	Excision of other lesion of uterus
9623500	Total excision of cervix, laparoscopic
9623502	Total excision of cervix, vaginal approach
9623503	Total excision of cervix, abdominal approach
	horectomy / Oophorectomy
3563800	Laparoscopic wedge resection of ovary
3563801	Laparoscopic partial oophorectomy
3563802	Laparoscopic cophorectomy, unilateral
3563803	Laparoscopic cophorectomy, bilateral
3563811	Laparoscopic salpingo-oophorectomy, unilateral
3563812	Laparoscopic salpingo-oophorectomy, bilateral
3571305	Wedge resection of ovary
3571306 3571307	Partial oophorectomy  Oophorectomy, unilateral
3571307 3571311	Salpingo-oophorectomy, unilateral
3571311	Oophorectomy, bilateral
3571701 3571704	Salpingo-oophorectomy, bilateral
Vaginal hyste	
3565700	Vaginal hysterectomy
3566701	Radical vaginal hysterectomy
3566703	Laparoscopically assisted radical vaginal hysterectomy
3575000	Laparoscopically assisted vaginal hysterectomy
Vulvectomy	,
3553600	Hemivulvectomy
3554800	Radical vulvectomy
3553602	Vulvectomy, bilateral
3553601	Vulvectomy, unilateral
	**

#### COLORECTAL CANCER SURGERY (CANCERS OF COLON OR RECTUM)

Major Resec	tions
Colectomy	
3051503	Ileocolic resection with anastomosis
3051504	Laparoscopic ileocolic resection with anastomosis
3051505	Ileocolic resection with formation of stoma
3051506	Laparoscopic ileocolic resection with formation of stoma
3056500	Resection of small intestine with formation of stoma
3056600	Resection of small intestine with anastomosis
3200000	Limited excision of large intestine with formation of stoma
3200001	Right hemicolectomy with formation of stoma
3200002	Laparoscopic limited excision of large intestine with formation of stoma
3200003	Laparoscopic right hemicolectomy with formation of stoma
3200300	Limited excision of large intestine with anastomosis
3200301	Right hemicolectomy with anastomosis
3200302	Laparoscopic limited excision of large intestine with anastomosis
3200303	Laparoscopic right hemicolectomy with anastomosis
3200400	Subtotal colectomy with formation of stoma
3200401	Extended right hemicolectomy with formation of stoma
3200402	Laparoscopic subtotal colectomy with formation of stoma
3200403	Laparoscopic extended right hemicolectomy with formation of stoma
3200500	Subtotal colectomy with anastomosis
3200501	Extended right hemicolectomy with anastomosis
3200502	Laparoscopic subtotal colectomy with anastomosis
3200503	Laparoscopic extended right hemicolectomy with anastomosis
3200600	Left hemicolectomy with anastomosis
3200601	Left hemicolectomy with formation of stoma
3200602	Laparoscopic left hemicolectomy with anastomosis
3200603	Laparoscopic left hemicolectomy with formation of stoma
3200900	Total colectomy with ileostomy
3200901	Laparoscopic total colectomy with ileostomy
3201200	Total colectomy with ileorectal anastomosis
3201201	Laparoscopic total colectomy with ileorectal anastomosis

Major Resections		
Abdominopei	rineal Resection	
3203900	Abdominoperineal proctectomy	
Total Proctoc	olectomy	
3201500	Total proctocolectomy with ileostomy	
3205100	Total proctocolectomy with ileo-anal anastomosis	
3205101	Total proctocolectomy with ileo-anal anastomosis and formation of temporary ileostomy	
Anterior Resection		
3202400	High anterior resection of rectum	
3202500	Low anterior resection of rectum	
3202600	Ultra low anterior resection of rectum	
3202800	Ultra low anterior resection of rectum with hand sutured coloanal anastomosis	
9220800	Anterior resection of rectum, level unspecified	
Hartmanns		
3203000	Rectosigmoidectomy with formation of stoma	
3203001	Laparoscopic rectosigmoidectomy with formation of stoma	

#### **HEAD AND NECK CANCER SURGERY**

### (CANCERS OF HYPOPHARYNX, LARYNX, MAJOR SALIVARY GLANDS, NASAL CAVITY AND PARANASAL SINUSES,NASOPHARYNX, ORAL CAVITY, OROPHARYNX, OTHER PHARYNX)

3002300 Debridement of soft tissue 3010300 Excision of sinus involving soft tissue, not elsewhere classified 3024100 Excision of lesion of bone, not elsewhere classified 3024700 Total excision of parotid gland 3025000 Fortal excision of parotid gland with preservation of facial nerve 3025300 Partial excision of parotid gland 3025500 Removal of submandibular ducts 3025500 Excision of submandibular gland 3025600 Excision of submandibular gland 3025900 Excision of submandibular gland 3025900 Excision of salivary gland or duct 3027200 Partial excision of tongue 3027500 Radical excision of intraoral lesion 3028300 Excision of cyst of mouth 3029401 Laryngopharyngectomy and plastic reconstruction 3120500 Excision of lesion of skin and subcutaneous tissue of other site 3123500 Excision of lesion of skin and subcutaneous tissue of other site of head 3134000 Excision of lesion of soft tissue, not elsewhere classified 3140000 Excision of lesion of upper aerodigestive tract 3140900 Excision of lesion of upper aerodigestive tract 3140900 Division of intracranial trigeminal nerve 3964000 Removal of lesion involving anterior cranial fossa	Major resections &	other related surgeries
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	3964000	Removal of lesion involving anterior cranial fossa
with clearance of paranasal sinus extension	3964200	Removal of lesion involving anterior cranial fossa with clearance of paranasal sinus extension
Removal of lesion involving anterior cranial fossa 3964600 with radical clearance of paranasal sinus and orbital fossa extensions	3964600	with radical clearance of paranasal sinus and orbital
3965000 Removal of lesion involving middle cranial and infratemporal fossae	3965000	Removal of lesion involving middle cranial and
3970000 Excision of lesion of skull	3970000	Excision of lesion of skull

Major resectio	ns & other related surgeries
4154500	Mastoidectomy
4155700	Modified radical mastoidectomy
4158100	Removal of lesion involving infratemporal fossa
4158400	Partial resection of temporal bone with mastoidectomy
4158401	Partial resection of temporal bone with mastoidectomy and decompression of facial nerve
4166800	Removal of nasal polyp
4167100	Submucous resection of nasal septum
4167103	Septoplasty with submucous resection of nasal septum
4168900	Partial turbinectomy, unilateral
4168902	Total turbinectomy, unilateral
4169201	Submucous resection of turbinate, bilateral
4171000	Radical maxillary antrostomy, unilateral
4171300	Radical maxillary antrostomy with transantral eth- moidectomy
4171301	Radical maxillary antrostomy with transantral vidian neurectomy
4171606	Excision of lesion of maxillary antrum
4172800	Lateral rhinotomy with removal of intranasal lesion
4173100	Ethmoidectomy, frontonasal approach
4173101	Ethmoidectomy with sphenoidectomy, frontonasal approach
4173702	Ethmoidectomy, unilateral
4173703	Ethmoidectomy, bilateral
4173709	Frontal sinusectomy
4175201	Sphenoidectomy
4176700	Excision of lesion of nasopharynx
4176701	Excision of lesion of oropharynx
4177901	Total excision of tongue
4178200	Partial pharyngectomy

#### **HEAD AND NECK CANCER SURGERY**

### (CANCERS OF HYPOPHARYNX, LARYNX, MAJOR SALIVARY GLANDS, NASAL CAVITY AND PARANASAL SINUSES,NASOPHARYNX, ORAL CAVITY, OROPHARYNX, OTHER PHARYNX)

Major resection	s & other related surgeries
4178500	Partial pharyngectomy with partial glossectomy
4178501	Partial pharyngectomy with total glossectomy
4178601	Uvulopalatopharyngoplasty with tonsillectomy
4178700	Uvulectomy with partial palatectomy
4178701	Uvulectomy with partial palatectomy and tonsillectomy
4178900	Tonsillectomy without adenoidectomy
4178901	Tonsillectomy with adenoidectomy
4180100	Adenoidectomy without tonsillectomy
4180400	Removal of lingual tonsil
4181001	Uvulectomy
4183400	Total laryngectomy
4183700	Hemilaryngectomy
4184000	Supraglottic laryngectomy
4184300	Laryngopharyngectomy
4185200	Laryngoscopy with removal of lesion
4186100	Microlaryngoscopy with removal of lesion by laser
4186400	Microlaryngoscopy with removal of lesion
4186700	Microlaryngoscopy with arytenoidectomy
4187601	Laryngofissure with vocal cordectomy
4253604	Exenteration of orbit with removal of adjacent structures
4559600	Total resection of 1 maxilla
4559700	Total resection of both maxillae
4560200	Subtotal resection of mandible
4560201	Subtotal resection of maxilla
4560500	Partial resection of mandible
4560501	Partial resection of maxilla

Major resections & other r	elated surgeries
4566500	Full thickness wedge excision of lip
4572000	Osteotomy of mandible, unilateral
4572002	Ostectomy of mandible, unilateral
4572003	Ostectomy of maxilla, unilateral
4582700	Excision of mylohyoid ridge of mandible
4582900	Excision of maxillary tuberosity
5020300	Marginal excision of lesion of bone
5023000	Resection of lesion of bone with anatomic specific allograft
5212000	Partial resection of mandible with con- dylectomy
9013100	Local excision of other intranasal lesion
9013101	Rhinectomy
9013400	Destruction of lesion of tongue
9013500	Excision of lesion of tongue
9013800	Excision of lesion of salivary gland
9014101	Excision of other lesion of mouth
9014102	Excision or destruction of lesion of palate
9014301	Other procedures on palate
9014400	Excision of lesion of tonsils or adenoids
9014900	Excision of other lesion of pharynx
9016100	Excision of other lesion of larynx
9066100	Other incision of skin and subcutaneous tissue
9066501	Debridement of skin and subcutaneous tissue, not elsewhere classified
9624401	Excision of lymphatic structure, neck/cervical
9624501	Radical excision of lymphatic structure, neck/cervical
9625701	Functional endoscopic sinus surgery [FESS]
9733100	Alveolectomy, per segment

#### PANCREATIC, BILIARY TRACT AND SMALL INTESTINE CANCER SURGERY

Major resections	
Whipples	
3058400	Pancreaticoduodenectomy with formation of stoma

#### LIVER CANCER SURGERY

Major resections	
3042100	Trisegmental resection of liver
3041400	Excision of lesion of liver
3041500	Segmental resection of liver
3041800	Lobectomy of liver
9031700	Transplantation of liver
9625801	Laparoscopic procurement of liver for transplantation, living donor
9625802	Procurement of liver for transplantation, living donor
9625803	Procurement of liver for transplantation, cadaver

#### NON-SMALL CELL LUNG CANCER SURGERY

Major Resections			
Partial rese	Partial resection		
9016900	Endoscopic wedge resection of lung		
3844001	Radical wedge resection of lung		
3843800	Segmental wedge resection of lung		
3844000	Wedge resection of lung		
Lobectomy of lung			
3843801	Lobectomy of lung		
3844100	Radical lobectomy		
Pneumonectomy			
3843802	Pneumonectomy		
3844101	Radical pneumonectomy		

#### PROSTATE CANCER SURGERY

Major Resections	
3721100	Radical prostatectomy with bladder neck reconstruction and pelvic lymphadenopathy
3721000	Radical prostatectomy with bladder neck reconstruction
3720900	Radical prostatectomy
3721001	Laparoscopic radical prostatectomy with bladder neck reconstruction
3720901	Laparoscopic radical prostatectomy
3721101	Laparoscopic radical prostatectomy with bladder neck reconstruction and pelvic lymphadenectomy

#### UROLOGICAL CANCER SURGERY (CANCERS OF BLADDER OR TESTICULAR)

Major Resections		
Cystectomy		
3700000	Laparoscopic partial excision of bladder	
3700001	Partial excision of bladder	
3701400	Total excision of bladder	
Orchidectomy	,	
3064101	Orchidectomy, bilateral	
3064100	Orchidectomy, unilateral	

3064100	Orchidectomy, unilateral	
DESOPHAGOGASTRIC CANCER SURGERY		
Major rese	ctions & other related surgeries	
Gastrector	ny	
3051800	Partial distal gastrectomy with gastroduodenal anastomosis	
3051801	Partial distal gastrectomy with gastrojejunal anastomosis	
3051802	Partial proximal gastrectomy with oesophagogastric anastomosis	
3052100	Total gastrectomy	
3052300	Subtotal gastrectomy	
3052400	Radical gastrectomy	
Oesophage	ectomy	
3053500	Oesophagectomy by abdominal and transthoracic mobilisation, with thoracic oesophagogastric anastomosis	
3053600	Oesophagectomy by abdominal and transthoracic mobilisation, with cervical oesophagogastric anastomosis	
3053601	Oesophagectomy by abdominal and transthoracic mobilisation, with cervical oesophagostomy	
3054100	Trans-hiatal oesophagectomy by abdominal and cervical mobilisation, with oesophagogastric anastomosis	
3054101	Trans-hiatal oesophagectomy by abdominal and cervical mobilisation, with oesophagojejunal anastomosis	
3054500	Oesophagectomy by abdominal and thoracic mobilisation with thoracic anastomosis, large intestine interposition and anastomosis	
3054501	Oesophagectomy by abdominal and thoracic mobilisation with thoracic anastomosis using Roux-en-Y reconstruction	
3055000	Oesophagectomy by abdominal and thoracic mobilisation with cervical anastomosis, large intestine interposition and anastomosis	
3055001	Oesophagectomy by abdominal and thoracic mobilisation with cervical anastomosis using Roux-en-Y reconstruction	
3055400	Oesophagectomy with reconstruction by free jejunal flap	
3055401	Oesophagectomy with reconstruction by other free flap	

### Data sources explained

#### QUEENSLAND ONCOLOGY REPOSITORY

The Queensland Oncology Repository (QOR) is a cancer patient database developed and maintained by the Cancer Alliance Queensland to support Queensland's cancer control, safety, and quality assurance initiatives. QOR consolidates cancer patient information for the state and contains data on cancer diagnoses and deaths, surgery, chemotherapy, and radiotherapy. QOR also includes data collected by clinicians at multidisciplinary team (MDT) meetings across the state. For more information, visit <a href="https://cancerallianceqld.health.qld.gov.au">https://cancerallianceqld.health.qld.gov.au</a>.

### Cancer Data Explorer (CDE)

The <u>Cancer Data Explorer</u> is a dashboarding tool allowing users to access information on the number of new cases of cancer (incidence), deaths due to cancer (mortality) and cancer survival among Queenslanders with cancer. The data is sourced from the Queensland Cancer Register, a database containing information on Queenslanders diagnosed or dying from cancer since 1982. The tool is freely available to the general public, researchers, clinicians, policy makers and government bodies alike.

### Oncology Analysis System (OASys)

Oncology Analysis System (OASys) is a web based state-wide cancer analysis system with diagnostic, treatment and outcome data on registry-notifiable invasive cancers diagnosed among Queensland residents of all ages (including children) from 1982 to 2020.

The data collection, linking and reporting of OASys data is performed under the auspices of Queensland Cancer Control Safety and Quality Partnership, The Partnership was gazetted as a quality assurance committee under Part 6, Division 1 of the Hospital and Health Boards Act 2011.

### Statistical Analysis

To examine differences in proportions across subgroups such as public and private, Indigenous status and age group, Pearson's chi square was used. For analysis by remoteness and socioeconomic status a non-parametric test such as the Cochrane-Armitage test for trend was used which provides a test of the trend of the proportions of positive responses in the groups (such as patients who received treatment within 30 days of diagnosis). All statistical analyses were conducted using Stata V5.1 (Stata Corp, College Station, TX, USA).

# More on the Cancer Alliance Queensland website

For more details on our program of work, go to https://cancerallianceqld.health.qld.gov.au.

#### FOR MORE INFORMATION

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Although care has been taken to ensure the accuracy, completeness and reliability of the information provided these data are released for purposes of quality assurance and are to be used with appropriate caution. Be aware that data can be altered subsequent to original distribution and that the information is therefore subject to change without notice. Data can also quickly become out-of-date. It is recommended that careful attention be paid to the contents of any data and if required CAQ can be contacted with any questions regarding its use. If you find any errors or omissions, please report them to <a href="mailto:CancerAllianceQld@health.qld.gov.au">CancerAllianceQld@health.qld.gov.au</a>