

**COVID-19 and cancer services: DHB figures**

**Report 2**

Working report on the impact of COVID-19 on cancer services by DHB for the period ending May 2020

**June 2020**

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# Introduction

## Purpose of this report

This report is a follow up to the report released by Te Aho o Te Kahu on 28 May 2020, which outlined the impact of COVID-19 and the lockdown on cancer services in New Zealand. The first report presented data until the end April 2020, this report looks at data through to the end of May 2020.

The report focuses on the aspects of the cancer care pathway for which we have readily available data and does not capture all aspects of the care. Critical aspects of cancer care, including access to primary care, radiology and palliative care are not measured in this report.

## Data and analysis

The data in this report and accompanying spreadsheets comes from Ministry of Health national data collections. Each section of the report includes information on where the data is from and any limitations with the data. Each table presents the cumulative January to April figures for 2018, 2019 and 2020, with the number and percentage difference between 2019 and 2020. Percentage differences are only presented if the cumulative 2019 total is 10 or greater. More detailed figures corresponding to each section are provided in the attached spreadsheets. In some cases, the grand totals may differ slightly to those presented in the earlier national report. This is due to non-DHB providers being excluded from the analyses within this report.

It is important to note that a purpose of the analysis was to rapidly measure the impact of COVID-19 and the lockdown on cancer services and does not take into account pre-existing unmet need. The report also makes direct comparisons between 2020 and 2019 and does not consider any projected increase in diagnoses over time. The report focused on data that was rapidly available and is not a complete review of the cancer pathway. Several key aspects of care, including primary care, radiology and palliative care are not captured in this report.

## Key dates

This report focuses on the lockdown period. Key dates over this time include:

* 23 March: alert level 3 and hospital alert level framework released
* 26 March: alert level 4
* 28 April: alert level 3
* 14 May: alert level 2
* 9 June: alert level 1

# Cancer events/registrations

## Notes on data

* Registration event data (including provisional/pre-registration events) were extracted from the New Zealand Cancer Registry on 29 June 2020.
* Note that these numbers differ from the earlier national report as we have added data from the missing laboratory in Auckland and corrected an error in one of the extract dates.
* Technical information: Only includes registrations from laboratory sources (pathology and haematology).

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total** | | | | |  | **Māori** | | | | |  | **European/Other** | | | | |
|  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |
|  |  |  |
|  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |
| Northland | 458 | 440 | 442 | 2 | 0.5 |  | 88 | 69 | 85 | 16 | 23.2 |  | 360 | 358 | 345 | -13 | -3.6 |
| Waitemata | 1275 | 1254 | 1203 | -51 | -4.1 |  | 51 | 59 | 70 | 11 | 18.6 |  | 1079 | 1042 | 949 | -93 | -8.9 |
| Auckland | 901 | 885 | 834 | -51 | -5.8 |  | 39 | 40 | 28 | -12 | -30 |  | 687 | 658 | 632 | -26 | -4 |
| Counties Manukau | 823 | 885 | 871 | -14 | -1.6 |  | 79 | 102 | 112 | 10 | 9.8 |  | 528 | 542 | 497 | -45 | -8.3 |
| Waikato | 921 | 935 | 832 | -103 | -11 |  | 126 | 144 | 105 | -39 | -27.1 |  | 742 | 751 | 680 | -71 | -9.5 |
| Bay of Plenty | 578 | 602 | 592 | -10 | -1.7 |  | 65 | 79 | 77 | -2 | -2.5 |  | 506 | 510 | 502 | -8 | -1.6 |
| Tairawhiti | 93 | 114 | 93 | -21 | -18.4 |  | 26 | 42 | 43 | 1 | 2.4 |  | 67 | 71 | 49 | -22 | -31 |
| Lakes | 187 | 237 | 234 | -3 | -1.3 |  | 51 | 49 | 54 | 5 | 10.2 |  | 130 | 175 | 165 | -10 | -5.7 |
| Taranaki | 300 | 244 | 294 | 50 | 20.5 |  | 28 | 23 | 26 | 3 | 13 |  | 264 | 219 | 262 | 43 | 19.6 |
| Hawke's Bay | 388 | 383 | 335 | -48 | -12.5 |  | 54 | 61 | 51 | -10 | -16.4 |  | 316 | 306 | 272 | -34 | -11.1 |
| Whanganui | 180 | 203 | 205 | 2 | 1 |  | 20 | 35 | 19 | -16 | -45.7 |  | 155 | 165 | 181 | 16 | 9.7 |
| MidCentral | 466 | 383 | 423 | 40 | 10.4 |  | 45 | 30 | 38 | 8 | 26.7 |  | 412 | 334 | 362 | 28 | 8.4 |
| Capital & Coast | 569 | 532 | 491 | -41 | -7.7 |  | 38 | 42 | 40 | -2 | -4.8 |  | 462 | 437 | 387 | -50 | -11.4 |
| Hutt Valley | 263 | 283 | 296 | 13 | 4.6 |  | 29 | 38 | 30 | -8 | -21.1 |  | 215 | 211 | 238 | 27 | 12.8 |
| Wairarapa | 118 | 107 | 105 | -2 | -1.9 |  | 12 | 5 | 13 | 8 |  |  | 105 | 100 | 87 | -13 | -13 |
| Nelson Marlborough | 406 | 405 | 388 | -17 | -4.2 |  | 19 | 21 | 13 | -8 | -38.1 |  | 379 | 373 | 367 | -6 | -1.6 |
| West Coast | 72 | 77 | 65 | -12 | -15.6 |  | 4 | 4 | 4 | 0 |  |  | 68 | 72 | 60 | -12 | -16.7 |
| Canterbury | 1088 | 1076 | 1062 | -14 | -1.3 |  | 55 | 42 | 66 | 24 | 57.1 |  | 969 | 978 | 934 | -44 | -4.5 |
| South Canterbury | 129 | 141 | 136 | -5 | -3.5 |  | 5 | 4 | 6 | 2 |  |  | 120 | 136 | 128 | -8 | -5.9 |
| Southern | 677 | 802 | 643 | -159 | -19.8 |  | 24 | 48 | 34 | -14 | -29.2 |  | 634 | 741 | 590 | -151 | -20.4 |
| Total | 9892 | 9988 | 9544 | -444 | -4.4 |  | 858 | 937 | 914 | -23 | -2.5% |  | 8198 | 8179 | 7687 | -492 | -6.0% |

# Bronchoscopy

## Notes on data

* Bronchoscopy data were extracted from National Non-admitted Patient Collection (outpatient) and National Minimum Dataset (inpatient) on the 29th June 2020.
* Includes bronchoscopies for any indication (i.e. not just cancer).
* Technical information: Bronchoscopies (Purchase Unit Code - MS02003).
* Excludes non-DHB providers.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total** | | | | |  | **Māori** | | | | |  | **Non-Māori / Non-Pacific** | | | | |
|  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |
|  |  |  |
|  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |
| **Northland** | 37 | 31 | 23 | -8 | -26% |  | 11 | 10 | 9 | -1 | -10% |  | 25 | 21 | 13 | -8 | -38% |
| **Waitemata** | 63 | 71 | 60 | -11 | -15% |  | 2 | 3 | 6 | 3 | - |  | 58 | 68 | 51 | -17 | -25% |
| **Auckland** | 119 | 172 | 123 | -49 | -28% |  | 10 | 18 | 16 | -2 | -11% |  | 97 | 143 | 93 | -50 | -35% |
| **Counties Manukau** | 134 | 147 | 125 | -22 | -15% |  | 30 | 24 | 10 | -14 | -58% |  | 87 | 100 | 97 | -3 | -3% |
| **Waikato** | 111 | 122 | 71 | -51 | -42% |  | 23 | 30 | 16 | -14 | -47% |  | 85 | 90 | 54 | -36 | -40% |
| **Bay of Plenty** | 57 | 85 | 51 | -34 | -40% |  | 12 | 20 | 14 | -6 | -30% |  | 45 | 63 | 37 | -26 | -41% |
| **Lakes** | 28 | 40 | 30 | -10 | -25% |  | 11 | 11 | 12 | 1 | 9% |  | 17 | 28 | 17 | -11 | -39% |
| **Tairāwhiti** | 0 | 1 | 11 | 10 | - |  | 0 | 0 | 4 | 4 | - |  | 0 | 1 | 7 | 6 | - |
| **Taranaki** | 18 | 22 | 14 | -8 | -36% |  | 3 | 6 | 0 | -6 | - |  | 15 | 16 | 14 | -2 | -13% |
| **Whanganui** | 3 | 9 | 6 | -3 | - |  | 0 | 4 | 1 | -3 | - |  | 3 | 5 | 5 | 0 | - |
| **Hawke's Bay** | 30 | 37 | 15 | -22 | -59% |  | 8 | 9 | 2 | -7 | - |  | 22 | 27 | 12 | -15 | -56% |
| **MidCentral** | 21 | 14 | 7 | -7 | -50% |  | 3 | 3 | 1 | -2 | - |  | 18 | 11 | 6 | -5 | -45% |
| **Hutt Valley** | 33 | 56 | 32 | -24 | -43% |  | 5 | 10 | 5 | -5 | -50% |  | 26 | 46 | 26 | -20 | -43% |
| **Capital & Coast** | 43 | 39 | 23 | -16 | -41% |  | 5 | 5 | 3 | -2 | - |  | 35 | 33 | 19 | -14 | -42% |
| **Nelson Marlborough** | 31 | 29 | 33 | 4 | 14% |  | 4 | 4 | 4 | 0 | - |  | 27 | 25 | 29 | 4 | 16% |
| **Canterbury** | 140 | 184 | 153 | -31 | -17% |  | 9 | 20 | 7 | -13 | -65% |  | 130 | 163 | 141 | -22 | -13% |
| **South Canterbury** | 6 | 4 | 8 | 4 | - |  | 0 | 1 | 0 | -1 | - |  | 6 | 3 | 8 | 5 | - |
| **Southern** | 98 | 117 | 50 | -67 | -57% |  | 7 | 11 | 8 | -3 | -27% |  | 91 | 103 | 42 | -61 | -59% |
| **Grand Total** | 972 | 1180 | 835 | -345 | -29% |  | 143 | 189 | 118 | -71 | -38% |  | 787 | 946 | 671 | -275 | -29% |

# Gastrointestinal endoscopy

## Notes on data

* Data were extracted from National Non-admitted Patient Collection (outpatient) and National Minimum Dataset (inpatient) on 29 June 2020.
* Includes colonoscopies and gastroscopies for all indications (i.e. not just cancer).
* Technical information: Gastroscopies (Purchase Unit Code - MS02005), Colonoscopies (Purchase Unit Code - MS02007), Combined Gastroscopies + Colonoscopies (Purchase Unit Code - MS02014).
* Excludes non-DHB providers

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total** | | | | |  | **Māori** | | | | |  | **Non-Māori / Non-Pacific** | | | | |
|  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |
|  |  |  |
|  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |
| **Northland** | 1436 | 1738 | 1071 | -667 | -38% |  | 237 | 315 | 195 | -120 | -38% |  | 1195 | 1407 | 865 | -542 | -39% |
| **Waitemata** | 3276 | 3741 | 3044 | -697 | -19% |  | 172 | 217 | 168 | -49 | -23% |  | 2989 | 3405 | 2742 | -663 | -19% |
| **Auckland** | 2520 | 2585 | 1886 | -699 | -27% |  | 127 | 119 | 113 | -6 | -5% |  | 2238 | 2289 | 1615 | -674 | -29% |
| **Counties Manukau** | 3105 | 3561 | 3961 | 400 | 11% |  | 289 | 339 | 400 | 61 | 18% |  | 2435 | 2750 | 3021 | 271 | 10% |
| **Waikato** | 2182 | 2595 | 2242 | -353 | -14% |  | 271 | 304 | 254 | -50 | -16% |  | 1876 | 2259 | 1953 | -306 | -14% |
| **Bay of Plenty** | 1887 | 1889 | 1616 | -273 | -14% |  | 209 | 236 | 216 | -20 | -8% |  | 1669 | 1648 | 1395 | -253 | -15% |
| **Lakes** | 811 | 765 | 617 | -148 | -19% |  | 149 | 137 | 115 | -22 | -16% |  | 651 | 618 | 488 | -130 | -21% |
| **Tairāwhiti** | 275 | 298 | 232 | -66 | -22% |  | 74 | 89 | 73 | -16 | -18% |  | 199 | 206 | 155 | -51 | -25% |
| **Taranaki** | 792 | 750 | 605 | -145 | -19% |  | 80 | 86 | 44 | -42 | -49% |  | 709 | 659 | 556 | -103 | -16% |
| **Whanganui** | 561 | 624 | 442 | -182 | -29% |  | 87 | 80 | 56 | -24 | -30% |  | 474 | 542 | 382 | -160 | -30% |
| **Hawke's Bay** | 1023 | 1176 | 954 | -222 | -19% |  | 109 | 128 | 121 | -7 | -5% |  | 902 | 1030 | 819 | -211 | -20% |
| **MidCentral** | 847 | 878 | 836 | -42 | -5% |  | 46 | 60 | 79 | 19 | 32% |  | 792 | 810 | 750 | -60 | -7% |
| **Hutt Valley** | 943 | 1208 | 1136 | -72 | -6% |  | 73 | 91 | 123 | 32 | 35% |  | 837 | 1086 | 973 | -113 | -10% |
| **Wairarapa** | 360 | 428 | 307 | -121 | -28% |  | 29 | 39 | 30 | -9 | -23% |  | 324 | 387 | 274 | -113 | -29% |
| **Capital & Coast** | 1195 | 1158 | 1190 | 32 | 3% |  | 91 | 57 | 95 | 38 | 67% |  | 1056 | 1045 | 1050 | 5 | 0% |
| **Nelson Marlborough** | 205 | 945 | 888 | -57 | -6% |  | 8 | 49 | 50 | 1 | 2% |  | 195 | 893 | 830 | -63 | -7% |
| **West Coast** | 259 | 249 | 257 | 8 | 3% |  | 19 | 14 | 7 | -7 | -50% |  | 239 | 234 | 248 | 14 | 6% |
| **Canterbury** | 2471 | 3778 | 2749 | -1029 | -27% |  | 140 | 222 | 151 | -71 | -32% |  | 2292 | 3504 | 2551 | -953 | -27% |
| **South Canterbury** | 460 | 481 | 435 | -46 | -10% |  | 21 | 20 | 17 | -3 | -15% |  | 439 | 461 | 417 | -44 | -10% |
| **Southern** | 1774 | 1945 | 1088 | -857 | -44% |  | 71 | 100 | 68 | -32 | -32% |  | 1696 | 1830 | 1011 | -819 | -45% |
| **Grand Total** | 26382 | 30792 | 25556 | -5236 | -17% |  | 2302 | 2702 | 2375 | -327 | -12% |  | 23207 | 27063 | 22095 | -4968 | -18% |

# Colorectal cancer surgery

## Notes on data

* A list of the surgical procedure codes used for analysis are included in Appendix 1.
* The data was extracted from the National Minimum Dataset on 29 June 2020.
* Excludes non-DHB providers.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total** | | | | |  | **Māori** | | | | |  | **Non-Māori / Non-Pacific** | | | | |
|  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |
|  |  |  |
|  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |
| **Northland** | 31 | 46 | 34 | -12 | -26% |  | 6 | 8 | 8 | 0 | - |  | 25 | 38 | 26 | -12 | -32% |
| **Waitemata** | 116 | 109 | 89 | -20 | -18% |  | 8 | 9 | 6 | -3 | - |  | 105 | 91 | 80 | -11 | -12% |
| **Auckland** | 76 | 80 | 77 | -3 | -4% |  | 4 | 6 | 8 | 2 | - |  | 66 | 65 | 65 | 0 | 0% |
| **Counties Manukau** | 67 | 49 | 64 | 15 | 31% |  | 5 | 4 | 11 | 7 | - |  | 55 | 42 | 45 | 3 | 7% |
| **Waikato** | 88 | 93 | 102 | 9 | 10% |  | 9 | 6 | 16 | 10 | - |  | 78 | 86 | 85 | -1 | -1% |
| **Bay of Plenty** | 62 | 64 | 82 | 18 | 28% |  | 11 | 6 | 12 | 6 | - |  | 51 | 57 | 70 | 13 | 23% |
| **Lakes** | 27 | 33 | 28 | -5 | -15% |  | 3 | 6 | 5 | -1 | - |  | 24 | 27 | 23 | -4 | -15% |
| **Tairāwhiti** | 9 | 14 | 13 | -1 | -7% |  | 4 | 2 | 3 | 1 | - |  | 5 | 12 | 10 | -2 | -17% |
| **Taranaki** | 37 | 31 | 29 | -2 | -6% |  | 4 | 3 | 4 | 1 | - |  | 33 | 28 | 25 | -3 | -11% |
| **Whanganui** | 25 | 21 | 20 | -1 | -5% |  | 2 | 1 | 2 | 1 | - |  | 23 | 20 | 18 | -2 | -10% |
| **Hawke's Bay** | 67 | 65 | 53 | -12 | -18% |  | 11 | 5 | 6 | 1 | - |  | 56 | 59 | 45 | -14 | -24% |
| **MidCentral** | 52 | 44 | 48 | 4 | 9% |  | 5 | 1 | 5 | 4 | - |  | 47 | 42 | 43 | 1 | 2% |
| **Hutt Valley** | 24 | 24 | 17 | -7 | -29% |  | 1 | 1 | 2 | 1 | - |  | 22 | 23 | 15 | -8 | -35% |
| **Wairarapa** | 10 | 8 | 2 | -6 | - |  | 1 | 0 | 0 | 0 | - |  | 9 | 8 | 2 | -6 | - |
| **Capital & Coast** | 60 | 61 | 54 | -7 | -11% |  | 4 | 7 | 6 | -1 | - |  | 53 | 52 | 46 | -6 | -12% |
| **Nelson Marlborough** | 43 | 38 | 29 | -9 | -24% |  | 0 | 4 | 2 | -2 | - |  | 43 | 34 | 27 | -7 | -21% |
| **West Coast** | 1 | 2 | 3 | 1 | - |  | - | - | - | - | - |  | 1 | 2 | 3 | 1 | - |
| **Canterbury** | 134 | 133 | 117 | -16 | -12% |  | 7 | 7 | 10 | 3 | - |  | 125 | 124 | 105 | -19 | -15% |
| **South Canterbury** | 23 | 24 | 15 | -9 | -38% |  | 0 | 1 | 2 | 1 | - |  | 23 | 23 | 13 | -10 | -43% |
| **Southern** | 98 | 110 | 89 | -21 | -19% |  | 6 | 4 | 1 | -3 | - |  | 92 | 105 | 87 | -18 | -17% |
| **Grand Total** | 1050 | 1049 | 965 | -84 | -8% |  | 91 | 81 | 109 | 28 | 35% |  | 936 | 938 | 833 | -105 | -11% |

# Lung cancer surgery

## Notes on data

* A list of the surgical procedure codes used for analysis are included in Appendix 1.
* The data were extracted from the National Minimum Dataset on 29 June 2020.
* The number of lung cancer surgeries performed each month is relatively small, so caution is needed when comparing data by month.
* Excludes non-DHB providers.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total** | | | | |  | **Māori** | | | | |  | **Non-Māori / Non-Pacific** | | | | |
|  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |
|  |  |  |
|  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |
| **Auckland** | 113 | 119 | 106 | -13 | -11% |  | 13 | 30 | 14 | -16 | -53% |  | 94 | 83 | 83 | 0 | 0% |
| **Counties Manukau** | 1 | 1 | 1 | 0 | - |  | 0 | 0 | 1 | 1 | - |  | 0 | 1 | 0 | -1 | - |
| **Waikato** | 44 | 55 | 72 | 17 | 31% |  | 15 | 19 | 14 | -5 | -26% |  | 29 | 36 | 57 | 21 | 58% |
| **Taranaki** | 0 | 0 | 0 | 0 | - |  | 0 | 0 | 0 | 0 | - |  | 0 | 0 | 0 | 0 | - |
| **Hawke's Bay** | 0 | 0 | 0 | 0 |  | - | - | - | - | - | - |  | - | - | - | - | - |
| **Capital & Coast** | 47 | 63 | 41 | -22 | -35% |  | 11 | 10 | 5 | -5 | -50% |  | 33 | 49 | 34 | -15 | -31% |
| **Canterbury** | 37 | 38 | 41 | 3 | 8% |  | 2 | 1 | 3 | 2 | - |  | 35 | 37 | 38 | 1 | 3% |
| **Southern** | 13 | 21 | 9 | -12 | -57% |  | 3 | 0 | 1 | 1 | - |  | 10 | 21 | 8 | -13 | -62% |
| **Grand Total** | 255 | 297 | 270 | -27 | -9% |  | 44 | 60 | 38 | -22 | -37% |  | 201 | 227 | 220 | -7 | -3% |

# 

# Prostate cancer surgery

## Notes on data

* A list of the surgical procedure codes used for analysis are included in Appendix 1.
* The data was extracted from the National Minimum Dataset on 29 June 2020.
* The number of prostate cancer surgeries performed each month is relatively small, so caution is needed when comparing data by month.
* Excludes non-DHB providers.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total** | | | | |  | **Māori** | | | | |  | **Non-Māori / Non-Pacific** | | | | |
|  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |
|  |  |  |
|  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |
| **Northland** | 19 | 20 | 13 | -7 | -35% |  | 3 | 1 | 4 | 3 | - |  | 16 | 18 | 9 | -9 | -50% |
| **Waitemata** | 27 | 24 | 47 | 23 | 96% |  | 1 | 1 | 1 | 0 | - |  | 26 | 23 | 44 | 21 | 91% |
| **Auckland** | 36 | 40 | 50 | 10 | 25% |  | 0 | 3 | 4 | 1 | - |  | 34 | 33 | 46 | 13 | 39% |
| **Counties Manukau** | 0 | 0 | 0 | 0 | - |  |  |  |  |  |  |  | 0 | 0 | 0 | 0 | - |
| **Waikato** | 30 | 32 | 19 | -13 | -41% |  | 1 | 1 | 0 | -1 | - |  | 29 | 31 | 19 | -12 | -39% |
| **Bay of Plenty** | 1 | 1 | 0 | -1 | - |  | 0 | 0 | 0 | 0 | - |  | 1 | 1 | 0 | -1 | - |
| **Tairāwhiti** | 2 | 2 | 0 | -2 | - |  | 1 | 2 | 0 | -2 | - |  | 1 | 0 | 0 | 0 | - |
| **Taranaki** | 9 | 10 | 13 | 3 | 30% |  | 1 | 1 | 2 | 1 | - |  | 8 | 9 | 11 | 2 | - |
| **Whanganui** | 2 | 2 | 1 | -1 | - |  | 0 | 0 | 0 | 0 | - |  | 2 | 2 | 1 | -1 | - |
| **Hawke's Bay** | 4 | 8 | 5 | -3 | - |  | 0 | 1 | 2 | 1 | - |  | 4 | 7 | 3 | -4 | - |
| **MidCentral** | 30 | 35 | 32 | -3 | -9% |  | 2 | 4 | 1 | -3 | - |  | 28 | 31 | 31 | 0 | 0% |
| **Wairarapa** | 4 | 5 | 4 | -1 | - |  | 1 | 0 | 1 | 1 | - |  | 3 | 5 | 3 | -2 | - |
| **Capital & Coast** | 19 | 24 | 22 | -2 | -8% |  | 1 | 2 | 1 | -1 | - |  | 16 | 21 | 21 | 0 | 0% |
| **Nelson Marlborough** | 24 | 13 | 21 | 8 | 62% |  | - | - | - | - |  |  | 24 | 12 | 21 | 9 | 75% |
| **West Coast** | 3 | 1 | 2 | 1 | - |  | 0 | 0 | 0 | 0 | - |  | 3 | 1 | 2 | 1 | - |
| **Canterbury** | 28 | 28 | 33 | 5 | 18% |  | 0 | 1 | 2 | 1 | - |  | 28 | 27 | 31 | 4 | 15% |
| **South Canterbury** | 8 | 4 | 9 | 5 | - |  | - | - | - | - | - |  | 8 | 4 | 9 | 5 | - |
| **Southern** | 27 | 33 | 40 | 7 | 21% |  | 3 | 1 | 3 | 2 | - |  | 24 | 31 | 37 | 6 | 19% |
| **Grand Total** | 273 | 282 | 311 | 29 | 10% |  | 14 | 18 | 21 | 3 | 17% |  | 255 | 256 | 288 | 32 | 13% |

# Medical oncology

## Notes on data

* Extracted from National Non-admitted patient collection (Outpatient collection) and National Minimum Dataset (inpatient) on 29 June 2020.
* First specialist assessment (FSA) reflects counts of first attendance for specialist medical oncology assessment.
* IV chemotherapy reflects appointments for outpatient and inpatient for non-haematological indications.
* Technical information: FSA (PUC M50020), IV chemotherapy (PUC MS02009)
* Excludes Non-DHB Providers.

## First specialist assessments

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total** | | | | |  | **Māori** | | | | |  | **Non-Māori / Non-Pacific** | | | | |
|  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |
|  |  |  |
|  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |
| **Northland** | 192 | 212 | 178 | -34 | -16% |  | 47 | 52 | 48 | -4 | -8% |  | 145 | 157 | 127 | -30 | -19% |
| **Auckland** | 931 | 960 | 1071 | 111 | 12% |  | 106 | 100 | 113 | 13 | 13% |  | 704 | 738 | 799 | 61 | 8% |
| **Waikato** | 368 | 317 | 315 | -2 | -1% |  | 82 | 66 | 73 | 7 | 11% |  | 279 | 243 | 237 | -6 | -2% |
| **Bay of Plenty** | 189 | 193 | 226 | 33 | 17% |  | 34 | 45 | 32 | -13 | -29% |  | 154 | 147 | 193 | 46 | 31% |
| **Lakes** | 22 | 75 | 69 | -6 | -8% |  | 8 | 23 | 19 | -4 | -17% |  | 13 | 51 | 50 | -1 | -2% |
| **Tairāwhiti** | 31 | 60 | 64 | 4 | 7% |  | 16 | 25 | 32 | 7 | 28% |  | 15 | 35 | 32 | -3 | -9% |
| **Taranaki** | 97 | 89 | 98 | 9 | 10% |  | 7 | 12 | 12 | 0 | 0% |  | 90 | 77 | 85 | 8 | 10% |
| **MidCentral** | 448 | 425 | 450 | 25 | 6% |  | 59 | 72 | 67 | -5 | -7% |  | 379 | 346 | 376 | 30 | 9% |
| **Capital & Coast** | 378 | 354 | 374 | 20 | 6% |  | 41 | 46 | 45 | -1 | -2% |  | 312 | 291 | 306 | 15 | 5% |
| **Nelson Marlborough** | 194 | 167 | 170 | 3 | 2% |  | 13 | 14 | 9 | -5 | -36% |  | 180 | 152 | 160 | 8 | 5% |
| **West Coast** | 11 | 13 | 6 | -7 | -54% |  | 0 | 2 | 0 | -2 | - |  | 11 | 11 | 6 | -5 | -45% |
| **Canterbury** | 504 | 578 | 507 | -71 | -12% |  | 29 | 39 | 29 | -10 | -26% |  | 468 | 533 | 469 | -64 | -12% |
| **South Canterbury** | 1 | 2 | 29 | 27 | - |  | 0 | 0 | 2 | 2 | - |  | 1 | 2 | 27 | 25 | - |
| **Southern** | 224 | 317 | 249 | -68 | -21% |  | 9 | 20 | 12 | -8 | -40% |  | 214 | 296 | 233 | -63 | -21% |
| **Grand Total** | 3590 | 3762 | 3806 | 44 | 1% |  | 451 | 516 | 493 | -23 | -4% |  | 2965 | 3079 | 3100 | 21 | 1% |

## IV chemotherapy attendances

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total** | | | | |  | **Māori** | | | | |  | **Non-Māori / Non-Pacific** | | | | |
|  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |
|  |  |  |
|  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |
| **Northland** | 1291 | 1159 | 1253 | 94 | 8% |  | 234 | 267 | 378 | 111 | 42% |  | 1040 | 881 | 862 | -19 | -2% |
| **Auckland** | 6960 | 8056 | 8836 | 780 | 10% |  | 750 | 693 | 972 | 279 | 40% |  | 5462 | 6307 | 6859 | 552 | 9% |
| **Waikato** | 2879 | 3211 | 2541 | -670 | -21% |  | 416 | 527 | 436 | -91 | -17% |  | 2427 | 2647 | 2060 | -587 | -22% |
| **Bay of Plenty** | 2163 | 1954 | 2350 | 396 | 20% |  | 403 | 331 | 476 | 145 | 44% |  | 1726 | 1602 | 1859 | 257 | 16% |
| **Lakes** | 1098 | 1258 | 1224 | -34 | -3% |  | 315 | 342 | 386 | 44 | 13% |  | 739 | 904 | 828 | -76 | -8% |
| **Tairāwhiti** | 316 | 243 | 217 | -26 | -11% |  | 146 | 109 | 108 | -1 | -1% |  | 170 | 134 | 108 | -26 | -19% |
| **Taranaki** | 647 | 756 | 842 | 86 | 11% |  | 85 | 45 | 83 | 38 | 84% |  | 554 | 700 | 749 | 49 | 7% |
| **Whanganui** | 58 | 34 | 41 | 7 | 21% |  | 14 | 3 | 6 | 3 | - |  | 44 | 31 | 35 | 4 | 13% |
| **Hawke's Bay** | 9 | 17 | 37 | 20 | 118% |  | 2 | 3 | 28 | 25 | - |  | 7 | 14 | 9 | -5 | -36% |
| **MidCentral** | 2696 | 3341 | 3116 | -225 | -7% |  | 327 | 655 | 474 | -181 | -28% |  | 2316 | 2581 | 2605 | 24 | 1% |
| **Hutt Valley** | 51 | 47 | 35 | -12 | -26% |  | 7 | 2 | 1 | -1 | - |  | 44 | 41 | 29 | -12 | -29% |
| **Wairarapa** | 6 | 2 | 24 | 22 | - |  | 0 | 0 | 5 | 5 | - |  | 6 | 2 | 19 | 17 | - |
| **Capital & Coast** | 2563 | 2976 | 2533 | -443 | -15% |  | 258 | 284 | 330 | 46 | 16% |  | 2194 | 2548 | 2037 | -511 | -20% |
| **Nelson Marlborough** | 1289 | 1101 | 1217 | 116 | 11% |  | 119 | 74 | 66 | -8 | -11% |  | 1147 | 1001 | 1136 | 135 | 13% |
| **West Coast** | 6 | 24 | 17 | -7 | -29% |  | 0 | 0 | 4 | 4 | - |  | 6 | 24 | 13 | -11 | -46% |
| **Canterbury** | 2866 | 2481 | 2593 | 112 | 5% |  | 178 | 154 | 167 | 13 | 8% |  | 2595 | 2274 | 2329 | 55 | 2% |
| **South Canterbury** | 459 | 449 | 441 | -8 | -2% |  | 5 | 1 | 9 | 8 | - |  | 454 | 436 | 432 | -4 | -1% |
| **Southern** | 2055 | 2424 | 2255 | -169 | -7% |  | 121 | 129 | 173 | 44 | 34% |  | 1919 | 2283 | 2035 | -248 | -11% |
| **Grand Total** | 27412 | 29535 | 29572 | 37 | 0% |  | 3380 | 3619 | 4102 | 483 | 13% |  | 22850 | 24412 | 24004 | -408 | -2% |

# Radiation oncology

## Notes on data

* Extracted from National Non-admitted patient collection on 29 June 2020.
* First specialist assessment (FSA) reflects counts of first attendance for radiation oncology specialist assessment.
* Megavoltage attendance reflects appointments for planning/simulation and for treatment with radiation therapy on a linear accelerator.
* Technical information: radiation oncology FSA (PUC M50022), megavoltage attendances (Purchase Unit Code M50025).
* Excludes non-DHB providers.

## First specialist assessments

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total** | | | | |  | **Māori** | | | | |  | **Non-Māori / Non-Pacific** | | | | |
|  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |
|  |  |  |
|  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |
| **Northland** | 143 | 153 | 115 | -38 | -25% |  | 46 | 35 | 40 | 5 | 14% |  | 96 | 115 | 74 | -41 | -36% |
| **Auckland** | 1338 | 1330 | 1296 | -34 | -3% |  | 151 | 158 | 137 | -21 | -13% |  | 1033 | 1018 | 1007 | -11 | -1% |
| **Waikato** | 541 | 605 | 632 | 27 | 4% |  | 92 | 104 | 134 | 30 | 29% |  | 439 | 490 | 491 | 1 | 0% |
| **Bay of Plenty** | 334 | 405 | 395 | -10 | -2% |  | 47 | 52 | 54 | 2 | 4% |  | 285 | 348 | 337 | -11 | -3% |
| **Lakes** | 21 | 12 | 4 | -8 | -67% |  | 3 | 3 | 1 | -2 | - |  | 18 | 9 | 3 | -6 | - |
| **Tairāwhiti** | 34 | 27 | 20 | -7 | -26% |  | 14 | 9 | 8 | -1 | - |  | 19 | 18 | 12 | -6 | -33% |
| **MidCentral** | 754 | 640 | 733 | 93 | 15% |  | 89 | 83 | 100 | 17 | 20% |  | 657 | 548 | 621 | 73 | 13% |
| **Capital & Coast** | 580 | 604 | 539 | -65 | -11% |  | 55 | 55 | 55 | 0 | 0% |  | 499 | 522 | 455 | -67 | -13% |
| **Nelson Marlborough** | 8 | 86 | 75 | -11 | -13% |  | 0 | 5 | 6 | 1 | - |  | 8 | 80 | 68 | -12 | -15% |
| **West Coast** | 2 | 6 | 3 | -3 | - |  | 0 | 1 | 0 | -1 | - |  | 2 | 5 | 3 | -2 | - |
| **Canterbury** | 667 | 645 | 752 | 107 | 17% |  | 30 | 38 | 38 | 0 | 0% |  | 630 | 599 | 706 | 107 | 18% |
| **Southern** | 421 | 389 | 300 | -89 | -23% |  | 22 | 24 | 25 | 1 | 4% |  | 392 | 360 | 272 | -88 | -24% |
| **Grand Total** | 4843 | 4902 | 4864 | -38 | -1% |  | 549 | 567 | 598 | 31 | 5% |  | 4078 | 4112 | 4049 | -63 | -2% |

## Megavoltage attendances (fractions)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total** | | | | |  | **Māori** | | | | |  | **Non-Māori / Non-Pacific** | | | | |
|  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |
|  |  |  |
|  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |
| **Auckland** | 18146 | 18941 | 16314 | -2627 | -14% |  | 2323 | 2503 | 1739 | -764 | -31% |  | 14051 | 14695 | 12642 | -2053 | -14% |
| **Waikato** | 8549 | 9689 | 7923 | -1766 | -18% |  | 1519 | 1741 | 1694 | -47 | -3% |  | 6878 | 7776 | 6142 | -1634 | -21% |
| **Bay of Plenty** | 8556 | 6015 | 6724 | 709 | 12% |  | 1611 | 1027 | 1108 | 81 | 8% |  | 6778 | 4982 | 5484 | 502 | 10% |
| **MidCentral** | 8776 | 9950 | 9027 | -923 | -9% |  | 1320 | 1345 | 1205 | -140 | -10% |  | 7365 | 8526 | 7680 | -846 | -10% |
| **Capital & Coast** | 8262 | 8534 | 7865 | -669 | -8% |  | 807 | 819 | 810 | -9 | -1% |  | 7002 | 7265 | 6696 | -569 | -8% |
| **Canterbury** | 11982 | 9488 | 9524 | 36 | 0% |  | 795 | 587 | 688 | 101 | 17% |  | 10936 | 8833 | 8695 | -138 | -2% |
| **Southern** | 3306 | 2366 | 1322 | -1044 | -44% |  | 232 | 147 | 51 | -96 | -65% |  | 2976 | 2185 | 1265 | -920 | -42% |
| **Grand Total** | 67577 | 64983 | 58701 | -6282 | -10% |  | 8607 | 8169 | 7295 | -874 | -11% |  | 55986 | 54262 | 48606 | -5656 | -10% |

# Haematology

## Notes on data

* Extracted from National Non-admitted Patient Collection (outpatient) and National Minimum Dataset (inpatient) 29 June 2020.
* First specialist assessment (FSA) reflects counts of first attendance for specialist haematology assessment for any indication (i.e. not just cancer).
* IV chemotherapy reflects appointments for IV chemotherapy for haematological malignancies.
* Technical information: Haematology FSA (Purchase Unite Code - M30002), IV haem/chemo (Purchase Unit Code - M30020).

## First specialist assessments

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total** | | | | |  | **Māori** | | | | |  | **Non-Māori / Non-Pacific** | | | | |
|  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |
|  |  |  |
|  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |
| **Northland** | 89 | 92 | 97 | 5 | 5% |  | 14 | 20 | 24 | 4 | 20% |  | 75 | 70 | 72 | 2 | 3% |
| **Waitemata** | 323 | 267 | 291 | 24 | 9% |  | 11 | 17 | 28 | 11 | 65% |  | 297 | 241 | 249 | 8 | 3% |
| **Auckland** | 415 | 395 | 300 | -95 | -24% |  | 29 | 30 | 25 | -5 | -17% |  | 342 | 324 | 247 | -77 | -24% |
| **Counties Manukau** | 314 | 309 | 217 | -92 | -30% |  | 30 | 40 | 29 | -11 | -28% |  | 236 | 228 | 155 | -73 | -32% |
| **Waikato** | 295 | 323 | 314 | -9 | -3% |  | 47 | 61 | 53 | -8 | -13% |  | 244 | 257 | 254 | -3 | -1% |
| **Bay of Plenty** | 175 | 159 | 122 | -37 | -23% |  | 27 | 23 | 23 | 0 | 0% |  | 146 | 132 | 96 | -36 | -27% |
| **Lakes** | 0 | 2 | 0 | -2 | - |  | 0 | 1 | 0 | -1 | - |  | 0 | 1 | 0 | -1 | - |
| **Tairāwhiti** | 22 | 13 | 17 | 4 | 31% |  | 9 | 1 | 3 | 2 | - |  | 13 | 11 | 14 | 3 | 27% |
| **Taranaki** | 60 | 66 | 78 | 12 | 18% |  | 8 | 5 | 11 | 6 | - |  | 52 | 61 | 67 | 6 | 10% |
| **MidCentral** | 313 | 323 | 300 | -23 | -7% |  | 42 | 38 | 41 | 3 | 8% |  | 268 | 283 | 255 | -28 | -10% |
| **Capital & Coast** | 328 | 306 | 264 | -42 | -14% |  | 16 | 25 | 32 | 7 | 28% |  | 304 | 269 | 218 | -51 | -19% |
| **Nelson Marlborough** | 111 | 66 | 52 | -14 | -21% |  | 1 | 3 | 2 | -1 | - |  | 109 | 62 | 50 | -12 | -19% |
| **West Coast** | 7 | 7 | 1 | -6 | - |  | 1 | 0 | 0 | 0 | - |  | 6 | 7 | 1 | -6 | - |
| **Canterbury** | 183 | 238 | 194 | -44 | -18% |  | 12 | 11 | 12 | 1 | 9% |  | 164 | 219 | 179 | -40 | -18% |
| **Southern** | 122 | 120 | 88 | -32 | -27% |  | 11 | 6 | 6 | 0 | - |  | 108 | 113 | 81 | -32 | -28% |
| **Grand Total** | 2757 | 2686 | 2335 | -351 | -13% |  | 258 | 281 | 289 | 8 | 3% |  | 2364 | 2278 | 1938 | -340 | -15% |

## IV chemotherapy attendances (haematology)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total** | | | | |  |  | **Māori** | | | | |  | **Non-Māori / Non-Pacific** | | | | |
|  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |  | Cumulative number for Jan to May | | | Difference between 2019 and 2020 | |
|  |  |  |  |
|  | 2018 | 2019 | 2020 | Number | % |  |  | 2018 | 2019 | 2020 | Number | % |  | 2018 | 2019 | 2020 | Number | % |
| **Northland** | 827 | 743 | 591 | -152 | -20% |  |  | 192 | 153 | 115 | -38 | -25% |  | 635 | 567 | 455 | -112 | -20% |
| **Waitemata** | 1643 | 1683 | 1618 | -65 | -4% |  |  | 39 | 68 | 88 | 20 | 29% |  | 1527 | 1523 | 1442 | -81 | -5% |
| **Auckland** | 1414 | 1528 | 1323 | -205 | -13% |  |  | 77 | 114 | 47 | -67 | -59% |  | 1195 | 1228 | 1157 | -71 | -6% |
| **Counties Manukau** | 994 | 432\* | 923 | - | - |  |  | 157 | 68\* | 82 | - | - |  | 601 | 305\* | 700 | - | - |
| **Waikato** | 692 | 797 | 880 | 83 | 10% |  |  | 101 | 140 | 177 | 37 | 26% |  | 589 | 655 | 703 | 48 | 7% |
| **Bay of Plenty** | 477 | 546 | 410 | -136 | -25% |  |  | 55 | 45 | 58 | 13 | 29% |  | 422 | 479 | 352 | -127 | -27% |
| **Lakes** | 9 | 279 | 254 | -25 | -9% |  |  | 0 | 88 | 64 | -24 | -27% |  | 9 | 191 | 190 | -1 | -1% |
| **Tairāwhiti** | 81 | 40 | 36 | -4 | -10% |  |  | 6 | 10 | 1 | -9 | -90% |  | 66 | 30 | 35 | 5 | 17% |
| **MidCentral** | 1043 | 1236 | 987 | -249 | -20% |  |  | 121 | 137 | 98 | -39 | -28% |  | 906 | 1099 | 886 | -213 | -19% |
| **Capital & Coast** | 1213 | 1418 | 1317 | -101 | -7% |  |  | 16 | 186 | 186 | 0 | 0% |  | 1148 | 1182 | 1038 | -144 | -12% |
| **West Coast** | 3 | 6 | 3 | -3 | - |  |  | 0 | 2 | 0 | -2 | - |  | 3 | 4 | 3 | -1 | - |
| **Canterbury** | 853 | 390\* | 1115 | - | - |  |  | 37 | 21\* | 135 | - | - |  | 807 | 369\* | 963 | - | - |
| **Southern** | 91 | 82 | 89 | 7 | 9% |  |  | 1 | 0 | 18 | 18 | - |  | 90 | 82 | 71 | -11 | -13% |
| **Grand Total** | 9340 | 9180 | 9552 | 372 | 4% |  |  | 802 | 1032 | 1069 | 37 | 4% |  | 7998 | 7714 | 8001 | 287 | 4% |

\*we are following up with Canterbury and Counties Manukau to better understand volumes in 2019. Number and percentage differences have not been presented as will not accurately reflect the difference between 2019 and 2020 in these DHBs.

# Appendix 1: Surgical procedure codes

Below is a list of the surgical procedure codes that were used for analysis on curative cancer surgery.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **COLORECTAL CANCER SURGERY** | | | | |
| Clinical code | Block short description | | Clinical code description | |
| 3200000 | Colectomy | | Limited excision of large intestine with formation of stoma | |
| 3200001 | Colectomy | | Right hemicolectomy with formation of stoma | |
| 3200300 | Colectomy | | Limited excision of large intestine with anastomosis | |
| 3200301 | Colectomy | | Right hemicolectomy with anastomosis | |
| 3200400 | Colectomy | | Subtotal colectomy with formation of stoma | |
| 3200401 | Colectomy | | Extended right hemicolectomy with formation of stoma | |
| 3200500 | Colectomy | | Subtotal colectomy with anastomosis | |
| 3200501 | Colectomy | | Extended right hemicolectomy with anastomosis | |
| 3200600 | Colectomy | | Left hemicolectomy with anastomosis | |
| 3200601 | Colectomy | | Left hemicolectomy with formation of stoma | |
| 3200900 | Colectomy | | Total colectomy with ileostomy | |
| 3201200 | Colectomy | | Total colectomy with ileorectal anastomosis | |
| 3201500 | Total proctocolectomy | | Total proctocolectomy with ileostomy | |
| 3202400 | Anterior resection of rectum | | High anterior resection of rectum | |
| 3202500 | Anterior resection of rectum | | Low anterior resection of rectum | |
| 3202600 | Anterior resection of rectum | | Ultra low anterior resection of rectum | |
| 3202800 | Anterior resection of rectum | | Ultra low anterior resection of rectum with hand sutured coloanal anastomosis | |
| 3203000 | Rectosigmoidectomy or proctectomy | | Rectosigmoidectomy with formation of stoma | |
| 3203900 | Rectosigmoidectomy or proctectomy | | Abdominoperineal proctectomy | |
| 3205100 | Total proctocolectomy | | Total proctocolectomy with ileo-anal anastomosis | |
| 3205101 | Total proctocolectomy | | Total proctocolectomy with ileo-anal anastomosis and formation of temporary ileostomy | |
| 3206000 | Rectosigmoidectomy or proctectomy | | Restorative proctectomy | |
| 3209900 | Excision of lesion or tissue of rectum or anus | | Per anal submucosal excision of lesion or tissue of rectum | |
| 3211200 | Rectosigmoidectomy or proctectomy | | Perineal rectosigmoidectomy | |
| 9220800 | Anterior resection of rectum | | Anterior resection of rectum, level unspecified | |
| **LUNG CANCER SURGERY** | | | | |
| Clinical code | | Clinical code description | | Block Description |
| 3844000 | | Wedge resection of lung | | Partial resection of lung |
| 3844001 | | Radical wedge resection of lung | | Partial resection of lung |
| 3843800 | | Segmental resection of lung | | Partial resection of lung |
| 9016900 | | Endoscopic wedge resection of lung | | Partial resection of lung |
| 3843801 | | Lobectomy of lung | | Lobectomy of lung |
| 3844100 | | Radical lobectomy | | Lobectomy of lung |
| 3844101 | | Radical pneumonectomy | | Pneumonectomy |
| 3843802 | | Pneumonectomy | | Pneumonectomy |

|  |  |  |
| --- | --- | --- |
| **PROSTATE CANCER SURGERY** | | |
| Clinical code | Block short description | Clinical code description |
| 3720004 | Open prostatectomy | Retropubic prostatectomy |
| 3720900 | Open prostatectomy | Radical prostatectomy |
| 3720901 | Other closed prostatectomy | Laparoscopic radical prostatectomy |
| 3721000 | Open prostatectomy | Radical prostatectomy with bladder neck reconstruction |
| 3721001 | Other closed prostatectomy | Laparoscopic radical prostatectomy with bladder neck reconstruction |
| 3721100 | Open prostatectomy | Radical prostatectomy with bladder neck reconstruction and pelvic lymphadenectomy |
| 3721101 | Other closed prostatectomy | Laparoscopic radical prostatectomy with bladder neck reconstruction and pelvic lymphadenectomy |
| 3720900 | Open prostatectomy | Radical prostatectomy |
| 3720901 | Closed prostatectomy | Laparoscopic radical prostatectomy |
| 3721000 | Open prostatectomy | Radical prostatectomy with bladder neck reconstruction |
| 3721001 | Closed prostatectomy | Laparoscopic radical prostatectomy with bladder neck reconstruction |
| 3721100 | Open prostatectomy | Radical prostatectomy with bladder neck reconstruction and pelvic lymphadenectomy |