Strategic Intelligence Forum
Monday 27th January 2020
National plans for treatment analyses

Lizz Paley, Partnerships Analytical Lead
Analytical partnerships

80 analysts working in 10 offices

40 funded by PHE
40 partnership funded

Core PHE work supported by externally funded analysts
Academic partnerships

Newcastle University
University of Cambridge
London School of Hygiene & Tropical Medicine
University of Leicester
University of Leeds
KING'S College London
Swansea University
University of Oxford
UCL
University of Exeter
Queen Mary University of London
Treatment data (Pancreatic cancers 2013-2015)
Chemotherapy, Radiotherapy and Surgical Resections in England

Pancreatic cancer: Treatments are presented in combinations as a stacked bar chart

This work has been produced as part of the Cancer Research UK - Public Health England Partnership

https://www.cancerdata.nhs.uk/treatments
Radiotherapy treatments 2009 to 2018

Breakdown of episodes when Disease Group is Pancreas

Radiotherapy episodes

Cancer Alliance
- Cheshire & Merseyside
- East Midlands
- East of England
- Greater Manchester
- Humber, Coast & Vale
- Kent & Medway
- Lancashire & South Cumbria
- N Central & N East London
- N East & Cumbria
- N West & S West London
- Peninsula
- S East London
- S Yorkshire, Bassetlaw, N Derbyshire & Hardwick
- Somerset, Wiltshire, Avon & Gloucestershire
- Surrey & Sussex
- Thames Valley
- W Yorkshire & Harrogate
- Wessex
- West Midlands

https://www.cancerdata.nhs.uk/radiotherapy
for the 19 Cancer Alliances:
• one year net survival varied between 62.9% and 75.2%
• five-year net survival varied between 28.6% and 49.6%
Net survival – HCC

Provisional Data
Potentially curative treatments
HCC, 2010-2016

Percentage of patients receiving potentially curative treatment, by cancer alliance

<table>
<thead>
<tr>
<th>Cancer Alliance</th>
<th>Unadjusted</th>
<th>Percentage (95% CI)</th>
<th>Adjusted</th>
<th>Percentage (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>West Yorkshire</td>
<td>27.84</td>
<td>(24.92, 30.97)</td>
<td>27.04</td>
<td>(24.07, 30.23)</td>
</tr>
<tr>
<td>Humber, Coast and Vale</td>
<td>18.67</td>
<td>(15.04, 22.93)</td>
<td>18.24</td>
<td>(14.59, 22.56)</td>
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<tr>
<td>Cheshire and Merseyside</td>
<td>29.08</td>
<td>(26.29, 32.63)</td>
<td>28.10</td>
<td>(25.28, 31.09)</td>
</tr>
<tr>
<td>South Yorkshire, Bassetlaw,.....</td>
<td>19.64</td>
<td>(16.80, 22.63)</td>
<td>19.44</td>
<td>(16.54, 22.07)</td>
</tr>
<tr>
<td>West Midlands</td>
<td>21.55</td>
<td>(19.06, 23.64)</td>
<td>20.80</td>
<td>(18.84, 22.80)</td>
</tr>
<tr>
<td>East Midlands</td>
<td>17.81</td>
<td>(15.52, 20.36)</td>
<td>16.02</td>
<td>(13.85, 18.44)</td>
</tr>
<tr>
<td>East of England</td>
<td>26.43</td>
<td>(18.54, 22.47)</td>
<td>18.18</td>
<td>(16.37, 20.13)</td>
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<tr>
<td>South East London</td>
<td>19.18</td>
<td>(15.69, 23.25)</td>
<td>15.90</td>
<td>(12.80, 19.19)</td>
</tr>
<tr>
<td>Kent and Medway</td>
<td>16.37</td>
<td>(13.05, 20.14)</td>
<td>16.25</td>
<td>(12.66, 19.11)</td>
</tr>
<tr>
<td>Surrey and Sussex</td>
<td>18.36</td>
<td>(16.69, 20.35)</td>
<td>18.23</td>
<td>(16.00, 21.19)</td>
</tr>
<tr>
<td>Thames Valley</td>
<td>27.97</td>
<td>(24.20, 32.68)</td>
<td>23.72</td>
<td>(20.19, 27.65)</td>
</tr>
<tr>
<td>Peninsula</td>
<td>23.53</td>
<td>(20.05, 27.14)</td>
<td>22.97</td>
<td>(19.45, 26.52)</td>
</tr>
<tr>
<td>Somerset, Wiltshire, Avon and ....</td>
<td>20.03</td>
<td>(17.26, 23.06)</td>
<td>18.52</td>
<td>(15.88, 21.52)</td>
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<tr>
<td>Wessex</td>
<td>18.74</td>
<td>(16.10, 21.70)</td>
<td>17.66</td>
<td>(15.08, 20.58)</td>
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<tr>
<td>North East and Cumbria</td>
<td>17.40</td>
<td>(15.02, 19.75)</td>
<td>18.29</td>
<td>(16.03, 20.86)</td>
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<tr>
<td>Lancashire and South Cumbria</td>
<td>17.08</td>
<td>(14.30, 20.40)</td>
<td>16.78</td>
<td>(14.04, 19.31)</td>
</tr>
<tr>
<td>Greater Manchester</td>
<td>18.70</td>
<td>(16.33, 21.12)</td>
<td>17.30</td>
<td>(15.09, 19.73)</td>
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<tr>
<td>North Central and North East London</td>
<td>27.82</td>
<td>(24.48, 30.96)</td>
<td>24.26</td>
<td>(21.37, 27.27)</td>
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<tr>
<td>North West and South West London</td>
<td>22.32</td>
<td>(19.68, 25.21)</td>
<td>19.33</td>
<td>(16.08, 22.94)</td>
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<tr>
<td>Overall</td>
<td>26.92</td>
<td>(23.28, 21.56)</td>
<td>19.44</td>
<td>(18.82, 20.87)</td>
</tr>
</tbody>
</table>

Provisional Data
Treatment analyses – current work

- Ovarian cancer
- Lung cancer
- Primary liver cancer and HCC
- Cholangiocarcinoma
- Bladder cancer
- Line of treatment of SACT / chemotherapy at EOL for breast cancer
- Outcomes after laparoscopic radical vs open radical hysterectomy
- Lifetime radiotherapy rates
- Palliative surgery for colorectal cancer
Future analyses

- Prostate
- Brain
- NMSC
- Sarcoma
Resources

Where to find our outputs:
- CancerData, including the Detailed Cancer Statistics outputs
- Legacy website
- Through CADEAS

Feedback:
- Which of these types of analysis are most useful to cancer alliances?
- What would cancer alliances like NCRAS to focus on in future work?
Acknowledgments

Data for these projects is based on patient-level information collected by the NHS, as part of the care and support of cancer patients. The cancer registry data is collated, maintained and quality assured by the National Cancer Registration and Analysis Service, which is part of Public Health England (PHE).