























| Follow-<br>up | Number of avo           | Total avoidable        |                         |                         |                                  |
|---------------|-------------------------|------------------------|-------------------------|-------------------------|----------------------------------|
|               | Deprivation<br>Group 2  | Deprivation<br>Group 3 | Deprivation<br>Group 4  | Most<br>Deprived (5)    | deaths in the<br>East of England |
| 1 month       | 1.6<br>(1.3,1.9)        | 2.0<br>(1.7,2.4)       | <b>1.5</b><br>(1.2,1.9) | <b>0.7</b><br>(0.5,0.8) | <b>5.7</b><br>(4.8,6.6)          |
| 3 month       | <b>3.2</b><br>(2.8,3.7) | 4.1<br>(3.6,4.7)       | <b>3.2</b><br>(2.7,3.7) | 1.4<br>(1.1, 1.7)       | <b>12.0</b><br>(10.7,13.3)       |
| 6 month       | <b>4.5</b><br>(4.0,5.0) | <b>5.7</b> (5.1,6.3)   | <b>4.7</b><br>(4.1,5.3) | <b>2.1</b> (1.7,2.4)    | <b>17.0</b> (15.6,18.4)          |
| 1 year        | <b>6.1</b><br>(5.5,6.7) | <b>7.4</b> (6.8,8.0)   | <b>6.7</b><br>(6.0,7.4) | <b>3.1</b> (2.7,3.6)    | <b>23.3</b><br>(21.8,24.8)       |
| 3 year        | <b>8.1</b><br>(7.5,8.7) | <b>9.2</b> (8.6,9.8)   | <b>9.6</b> (8.8,10.3)   | <b>4.7</b><br>(4.2,5.3) | <b>31.6</b><br>(30.0,33.0)       |
| 5 year        | 10.2<br>(9.6,10.8)      | 10.4 (10.0,10.8)       | 11.8<br>(11.0,12.5)     | 6.8<br>(6.3,7.3)        | <b>39.2</b><br>(37.7,40.7)       |



14 Stage at diagnosis and the deprivation gap in cancer survival

## Avoidable deaths (3)

- Age- and deprivation- specific incidence of breast cancer for the whole of England was used to re-weight the estimates obtained from the East of England analyses.
- A typical yearly cohort size for female breast cancer in the whole of England was then used estimate the avoidable death values for England.

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| Follow-<br>up | Number of av           | Total<br>avoidable     |                        |                         |                      |
|---------------|------------------------|------------------------|------------------------|-------------------------|----------------------|
|               | Deprivation<br>Group 2 | Deprivation<br>Group 3 | Deprivation<br>Group 4 | Most<br>Deprived<br>(5) | deaths in<br>England |
| 1 year        | 45.2                   | 51.0                   | 64.2                   | 73.8                    | 234.2                |
| 3 year        | 73.1                   | 74.9                   | 111.3                  | 142.1                   | 401.4                |
| 5 year        | 83.0                   | 81.2                   | 121.6                  | 168.8                   | 454.6                |





