



Department
for Transport

Revision to Rail passenger numbers and crowding on weekdays in major cities in England and Wales: 2012

24 October 2013

Methodology Note

A revision has been made to the statistics for several terminals in London in [Rail passenger numbers and crowding on weekdays in major cities in England and Wales: 2012](#), published on 24 July 2013. This was due to revised data being submitted to the Department for Transport by First Capital Connect.

This note explains which statistics have been revised and what changes have been made.

Which statistics have been affected?

The revision has affected First Capital Connect figures at Blackfriars, King's Cross, London Bridge, Moorgate and St Pancras International, as well as overall totals for London. A number of figures throughout the statistics have been revised; however all substantive trends reported in the original statistical release remain valid. The revision does not affect previously published figures for any city other than London, or for any other London terminals.

Which outputs have been affected?

All nine tables that accompany this release have had some figures updated. The *Rail passenger numbers and crowding on weekdays in major cities in England and Wales: 2012* statistical release has also been updated to reflect the revision. Copies of the original release (statistical release and tables) are available on the [release page](#) (as a zip file).

Birmingham statistics

2012 statistics for Birmingham have also been published for the first time, having previously been withheld while an unexpected trend in the data submitted by London Midland was investigated. These new figures are available in the release and are not discussed in this note.

Revisions to passenger numbers statistics

The following table shows how the peak and all day arrival and departure totals have changed in 2012 at the five terminals that First Capital Connect operates at, and in London overall. Figures that have been revised are shown in red. These have increased the total number of passengers arriving into central London throughout the day by 0.4 per cent, and in the total number of departures 0.1 per cent.

The largest revision has been to the total number of passengers arriving at King's Cross throughout the day, which has increased by 6.9 per cent. The number of peak arrivals at Elephant and Castle has increased by 4.9 per cent and the number of peak departures at St. Pancras International by 3.0 per cent.

| | AM peak arrivals | | All day arrivals | | PM peak | | All day departures | |
|---------------------------------------|------------------|----------------|------------------|----------------|----------------|----------------|--------------------|----------------|
| | Total seats | Passengers | Total seats | Passengers | Total seats | Passengers | Total seats | Passengers |
| Original | | | | | | | | |
| Elephant and Castle (for Blackfriars) | 19,057 | 19,379 | 73,377 | 28,643 | 16,950 | 14,866 | 69,034 | 25,551 |
| King's Cross | 27,228 | 18,366 | 97,538 | 43,878 | 27,825 | 20,207 | 98,907 | 49,063 |
| London Bridge | 122,977 | 139,185 | 433,610 | 223,532 | 113,267 | 109,463 | 435,891 | 212,778 |
| Old Street (for Moorgate) | 13,920 | 11,602 | 43,848 | 14,747 | 14,616 | 9,555 | 43,384 | 13,509 |
| St. Pancras International | 35,421 | 31,665 | 151,896 | 62,272 | 34,484 | 23,714 | 152,287 | 58,963 |
| London (incl. other terminals) | 558,229 | 534,947 | 2,165,216 | 976,912 | 539,317 | 449,852 | 2,142,554 | 965,557 |
| Revised | | | | | | | | |
| Elephant and Castle (for Blackfriars) | 19,057 | 20,336 | 73,377 | 28,797 | 16,950 | 14,866 | 69,034 | 25,551 |
| King's Cross | 27,228 | 18,396 | 98,080 | 46,905 | 27,825 | 20,124 | 97,591 | 49,207 |
| London Bridge | 122,977 | 139,357 | 433,610 | 223,704 | 113,267 | 109,463 | 435,891 | 212,778 |
| Old Street (for Moorgate) | 13,920 | 11,602 | 43,848 | 14,747 | 14,616 | 9,555 | 43,384 | 13,509 |
| St. Pancras International | 35,132 | 31,729 | 151,896 | 62,523 | 34,484 | 24,430 | 152,287 | 59,679 |
| London (incl. other terminals) | 557,940 | 536,170 | 2,165,758 | 980,516 | 539,317 | 450,485 | 2,141,238 | 966,417 |

Revisions to crowding statistics

The table below shows how the 2012 figures have changed in the crowding statistics tables for each terminal that First Capital Connect operates at, with revisions highlighted in red. The total standard class critical load in London has increased by 0.2 per cent in the morning peak and 0.3 per cent in the afternoon peak.

The standard class critical load has increased by 3 per cent in both peaks at King's Cross. At Moorgate it has increased by 3.6 per cent in the morning peak and 1.9 per cent in the afternoon peak, and by 2.8 per cent in the afternoon peak at St Pancras.

The percentage of passengers in excess of capacity (PiXC) in the morning peak has increased from 3.9 per cent to 4.6 per cent at Blackfriars and from 0.2 per cent to 0.5 per cent at King's Cross, while at St. Pancras International it has reduced from 2.6 per cent to 2.1 per cent. The percentage of passengers standing at Moorgate has reduced from 17.6 per cent to 16.1 per cent.

Changes to the crowding statistics were smaller in the afternoon peak. The most notable changes are for King's Cross, where the percentage of PiXC reduced from 0.9 per cent to 0.6 per cent, while the percentage of passengers standing increased from 1.3 per cent to 2.0 per cent.

| | Standard class seats | Standard class capacity | Standard class critical load | Passengers in excess of capacity | | Passengers standing | |
|---|----------------------------|-------------------------------|---------------------------------------|-------------------------------------|-------------|------------------------|--------------|
| | | | | Number | Per cent | Number | Per cent |
| Original | | | | | | | |
| AM peak arrivals (07:00-09:59) | | | | | | | |
| Blackfriars (via Elephant and Castle) | 18,889 | 25,412 | 21,482 | 846 | 3.9% | 4,102 | 19.1% |
| King's Cross | 23,856 | 27,996 | 18,032 | 41 | 0.2% | 303 | 1.7% |
| London Bridge | 119,065 | 178,133 | 135,514 | 3,774 | 2.8% | 31,247 | 23.1% |
| Moorgate | 13,920 | 19,200 | 14,910 | 392 | 2.6% | 2,619 | 17.6% |
| St. Pancras International | 33,769 | 43,524 | 31,627 | 816 | 2.6% | 3,006 | 9.5% |
| London total | 531,234 | 763,417 | 579,879 | 23,675 | 4.1% | 112,334 | 19.4% |
| PM peak departures (16:00-18:59) | | | | | | | |
| Blackfriars (via Elephant and Castle) | 16,802 | 22,107 | 15,153 | 102 | 0.7% | 1,515 | 10.0% |
| King's Cross | 24,327 | 28,789 | 19,042 | 178 | 0.9% | 244 | 1.3% |
| London Bridge | 111,129 | 166,282 | 108,489 | 987 | 0.9% | 13,730 | 12.7% |
| Moorgate | 14,616 | 20,160 | 12,955 | 133 | 1.0% | 1,375 | 10.6% |
| St. Pancras International | 32,603 | 42,590 | 24,444 | 407 | 1.7% | 1,160 | 4.7% |
| London total | 514,819 | 744,636 | 492,879 | 8,879 | 1.8% | 59,170 | 12.0% |
| Revised | | | | | | | |
| AM peak arrivals (07:00-09:59) | | | | | | | |
| Blackfriars (via Elephant and Castle) | 18,889 | 25,206 | 21,543 | 1,001 | 4.6% | 4,163 | 19.3% |
| King's Cross | 23,856 | 27,572 | 18,620 | 92 | 0.5% | 284 | 1.5% |
| London Bridge | 119,065 | 178,133 | 135,680 | 3,774 | 2.8% | 31,247 | 23.0% |
| Moorgate | 14,384 | 19,840 | 15,447 | 392 | 2.5% | 2,490 | 16.1% |
| St. Pancras International | 33,492 | 43,671 | 31,694 | 652 | 2.1% | 3,006 | 9.5% |
| London total | 531,421 | 763,574 | 581,299 | 23,716 | 4.1% | 112,246 | 19.3% |
| PM peak departures (16:00-18:59) | | | | | | | |
| Blackfriars (via Elephant and Castle) | 16,802 | 22,107 | 15,153 | 102 | 0.7% | 1,515 | 10.0% |
| King's Cross | 24,327 | 29,389 | 19,614 | 121 | 0.6% | 397 | 2.0% |
| London Bridge | 111,129 | 166,488 | 108,489 | 987 | 0.9% | 13,730 | 12.7% |
| Moorgate | 14,616 | 20,160 | 13,198 | 133 | 1.0% | 1,375 | 10.4% |
| St. Pancras International | 32,603 | 42,796 | 25,137 | 407 | 1.6% | 1,160 | 4.6% |
| London total | 514,819 | 745,648 | 494,387 | 8,822 | 1.8% | 59,324 | 12.0% |

How have the changes affected the PiXC and passengers standing figures for First Capital Connect?

The table below shows how the percentage of passengers in excess of capacity (PiXC) and passengers standing changed for First Capital Connect at each terminal at which it operates. Figures that have been revised are shown in red. First Capital Connect's overall PiXC rose slightly from 1.8 per cent to 1.9 per cent in the morning peak, while it fell slightly from 0.8 per cent to 0.7 per cent in the afternoon peak. The most notable change at a single terminal was the increase in PiXC at Blackfriars from 2.9 per cent to 4.5 per cent.

The overall percentage of passengers standing on First Capital Connect services in the morning peak has reduced from 12.1 per cent to 11.7 per cent. It fell at both London Bridge and Moorgate by over one percentage point. In the afternoon peak the percentage of passengers standing on First Capital Connect services departing from King's Cross has increased from 1.7 per cent to 2.7 per cent.

Revisions to PiXC and passengers standing on First Capital Connect services

| Terminal | AM peak arrivals (07:00-09:59) | | | PM peak departures (16:00-18:59) | | |
|---------------------------------------|--------------------------------|-------------|---------------------|----------------------------------|-------------|---------------------|
| | Number of services | PiXC | Passengers standing | Number of services | PiXC | Passengers standing |
| Original | | | | | | |
| Blackfriars (via Elephant and Castle) | 16 | 2.9% | 16.5% | 17 | 1.2% | 11.1% |
| King's Cross | 34 | 0.3% | 2.2% | 34 | 1.2% | 1.7% |
| London Bridge | 3 | 0.0% | 14.6% | 5 | 0.0% | 14.7% |
| Moorgate | 31 | 2.6% | 17.6% | 32 | 1.0% | 10.6% |
| St. Pancras International | 36 | 2.0% | 12.8% | 36 | 0.1% | 5.5% |
| First Capital Connect total | 120 | 1.8% | 12.1% | 124 | 0.8% | 7.2% |
| Revised | | | | | | |
| Blackfriars (via Elephant and Castle) | 16 | 4.5% | 17.0% | 17 | 1.2% | 11.1% |
| King's Cross | 34 | 0.6% | 1.9% | 34 | 0.8% | 2.7% |
| London Bridge | 3 | 0.0% | 13.3% | 5 | 0.0% | 14.7% |
| Moorgate | 32 | 2.5% | 16.1% | 32 | 1.0% | 10.4% |
| St. Pancras International | 35 | 1.2% | 12.8% | 36 | 0.1% | 5.2% |
| First Capital Connect total | 120 | 1.9% | 11.7% | 124 | 0.7% | 7.2% |