

% of departments with improved predictions from

relative to

Spatial
histogram

KDE

Hierarchical
Poisson

Hierarchical
Poisson
w/
smoothing

Spatial
histogram

N/A

35%

29%

24%

KDE

65%

N/A

45%

38%

Hierarchical
Poisson

71%

55%

N/A

35%

Hierarchical
Poisson
w/
smoothing

76%

62%

65%

N/A