QI ANALYSES (4 QUARTERS: 2Q11 TO 1Q12)

I. Executive Summary

1. The regions have outperformed the previously set arbitrary target of 5% on all IPP QI measures except for the ones represented on graphs 2 and 25 (Tables 1 and 2 below).
2. Based on Tables 1 and 2, it is recommended that all target thresholds except for the QI measures represented in Graphs 2 and 3 be changed to the suggested targets highlighted in yellow in the tables.
3. Trend analyses do not suggest any consistent trend across the four quarters for any of the regions.

II. Summary data

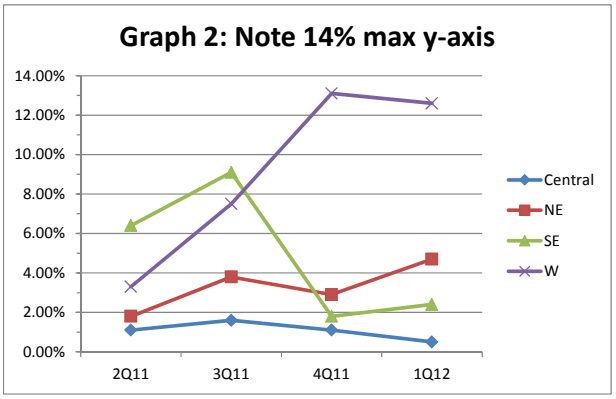
Table 1 (summary data)

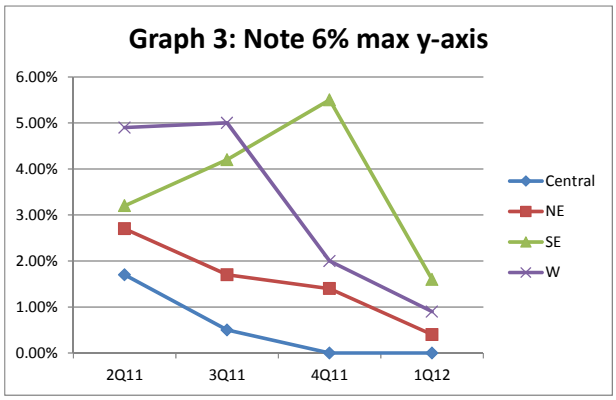
Graph	2	3	4	5	6	7	8	9	10	11	12	13	14
Group mean	4.61 %	2.23 %	0.39 %	0.41 %	0.87 %	1.43 %	0.76 %	1.31 %	0.66 %	1.41 %	1.35 %	1.81 %	1.54 %
Group SD	4.03 %	1.83 %	0.46 %	0.47 %	1.09 %	1.40 %	1.11 %	1.34 %	0.87 %	1.39 %	1.63 %	1.67 %	1.59 %
1/2 95% CI	0.99 %	0.45 %	0.11 %	0.12 %	0.27 %	0.34 %	0.27 %	0.33 %	0.21 %	0.34 %	0.40 %	0.41 %	0.39 %
Target	5.59 %	2.68 %	0.51 %	0.52 %	1.14 %	1.77 %	1.03 %	1.64 %	0.87 %	1.75 %	1.75 %	2.22 %	1.93 %

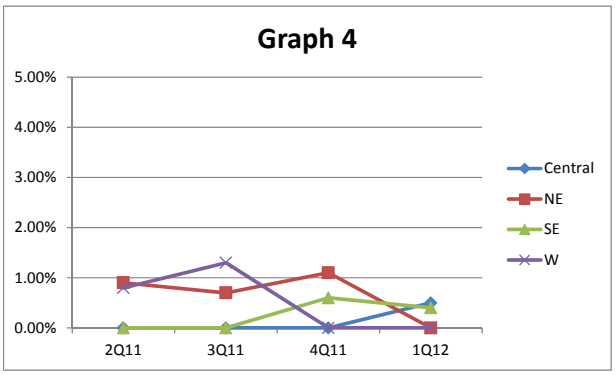
Table 2 (Summary data- continued)

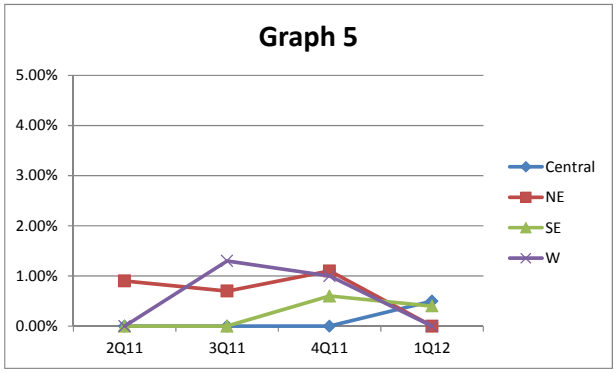
Graph	15	16	17	18	19	20	21	22	23	24	25	26	27
Group mean	2.34 %	1.84 %	1.97 %	1.81 %	0.31 %	0.22 %	1.18 %	2.97 %	3.40 %	2.52 %	4.54 %	1.69 %	1.62 %
Group SD	3.10 %	2.41 %	2.49 %	1.82 %	0.58 %	0.41 %	1.58 %	2.93 %	2.38 %	1.99 %	2.29 %	1.46 %	1.48 %
1/2 95% CI	0.76 %	0.59 %	0.61 %	0.45 %	0.14 %	0.10 %	0.39 %	0.72 %	0.58 %	0.49 %	0.56 %	0.36 %	0.36 %
Target	3.10 %	2.43 %	2.58 %	2.26 %	0.45 %	0.32 %	1.56 %	3.69 %	3.98 %	3.01 %	5.10 %	2.05 %	1.98 %

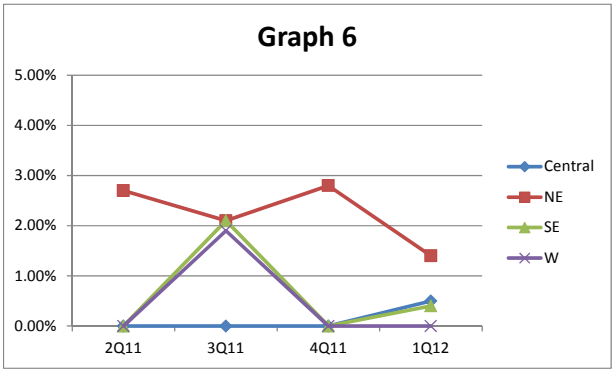
III. Time trends. All graphs have a 5% y-axis, unless indicated. Exceptions are in order to include data that fall outside 5%. The choice of 5% max y-axis, except when indicated, gives us a direct visual of the 5% threshold

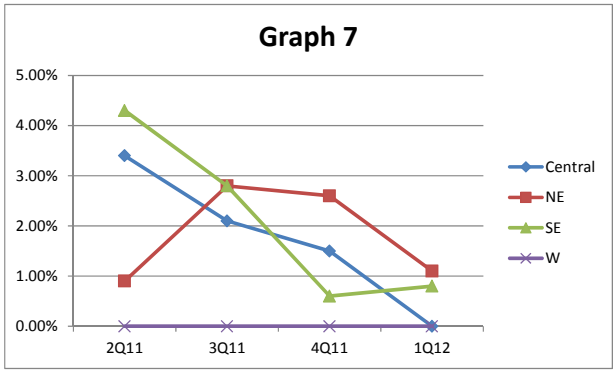


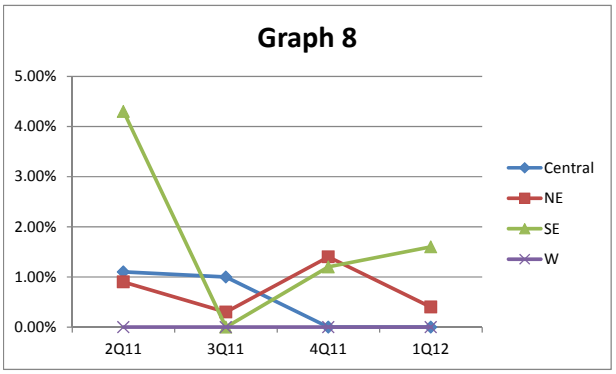


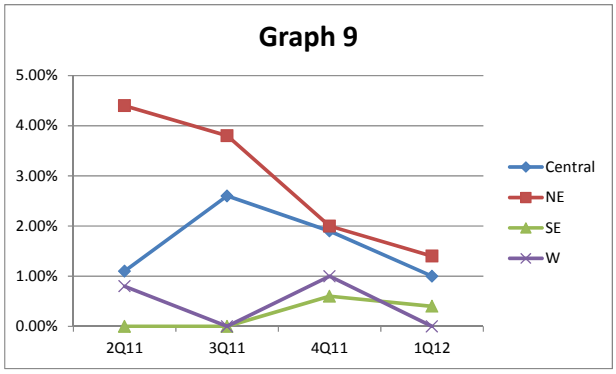


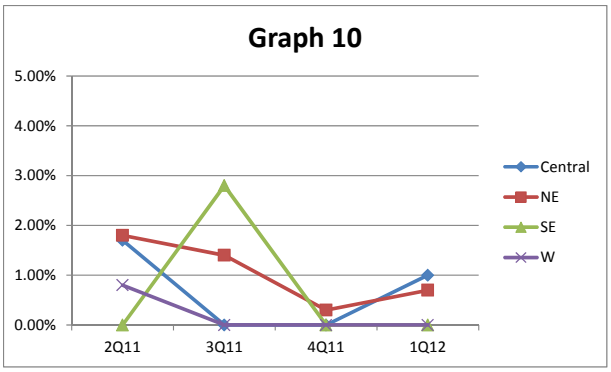











Graph 10
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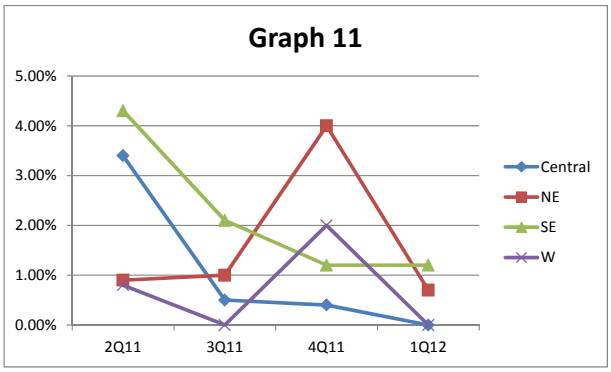
Graph 11
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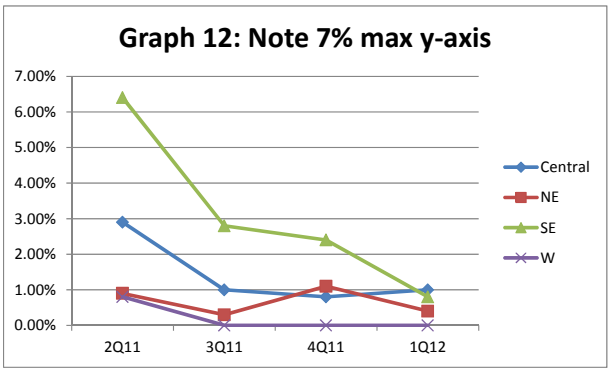
Graph 12: Note 7% max y-axis
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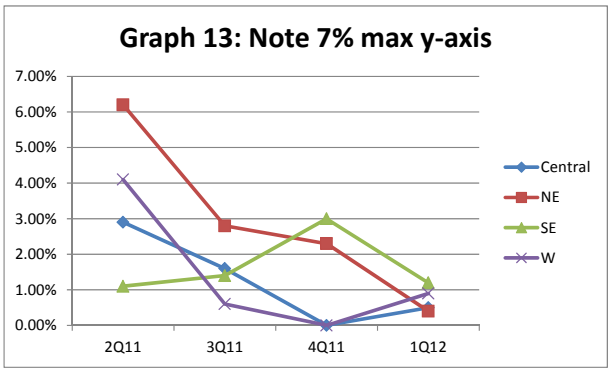
Graph 13: Note 7% max y-axis
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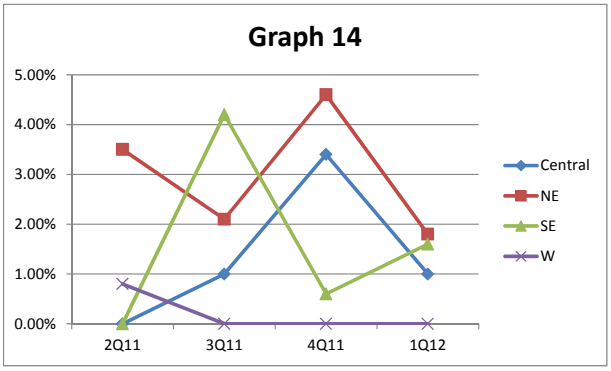
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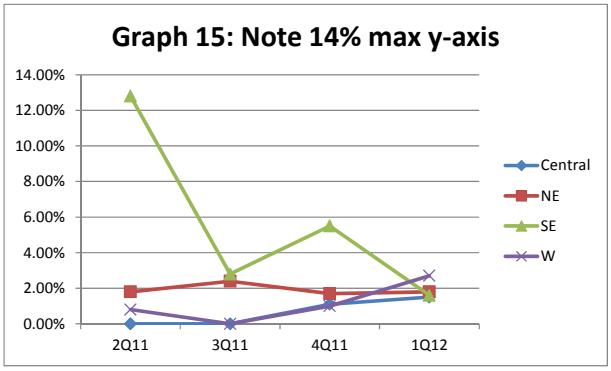
Graph 15: Note 14% max y-axis
14.00%
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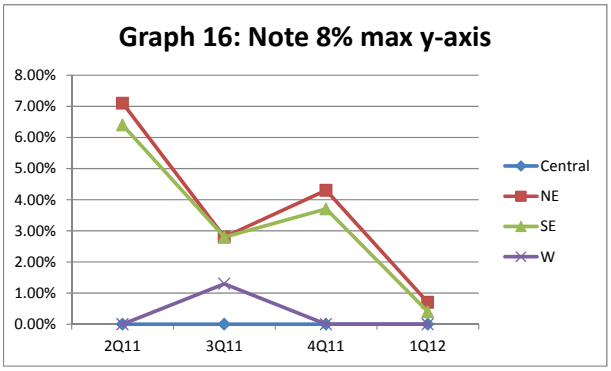
Graph 16: Note 8% max y-axis
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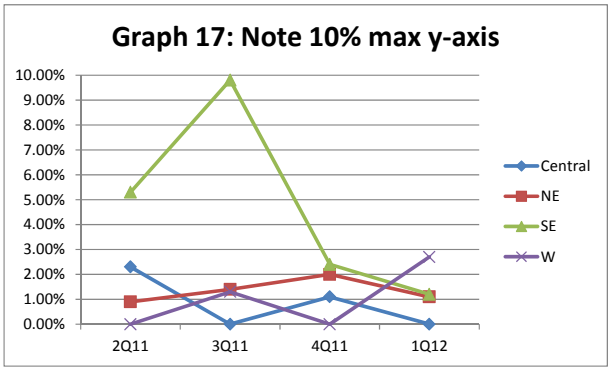
Graph 17: Note 10% max y-axis
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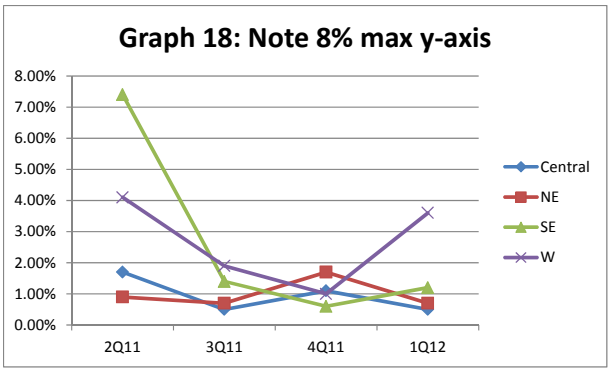
Graph 18: Note 8% max y-axis
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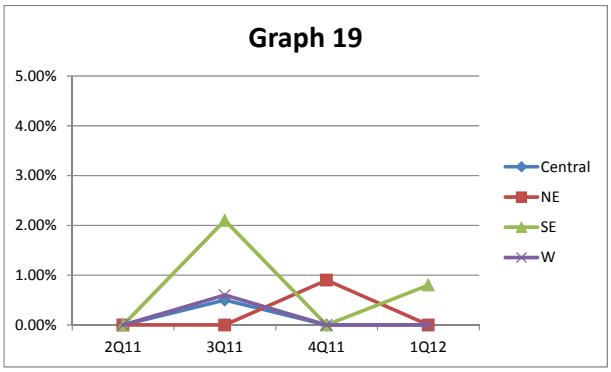
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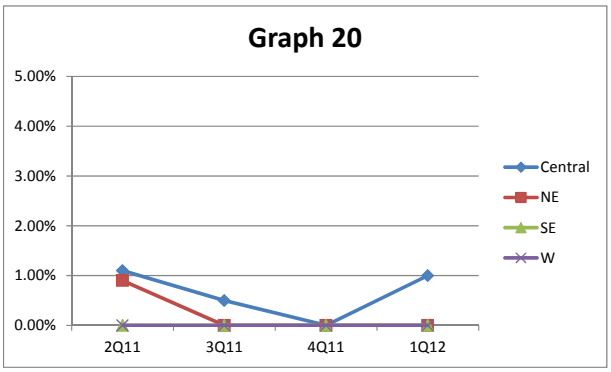
Graph 20
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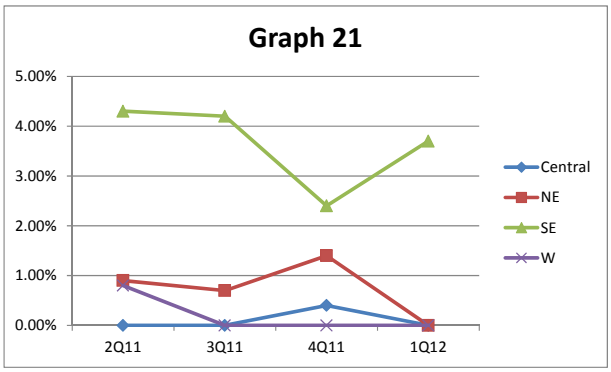
Graph 21
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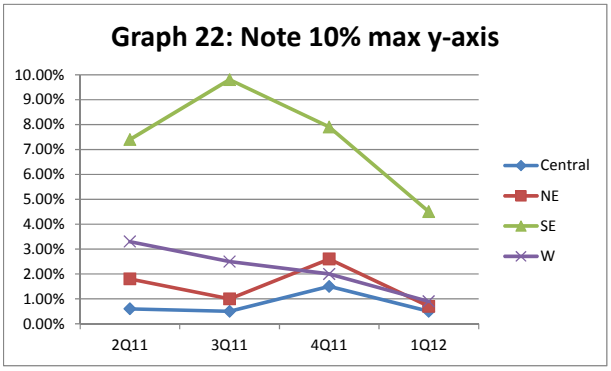
Graph 22: Note 10% max y-axis
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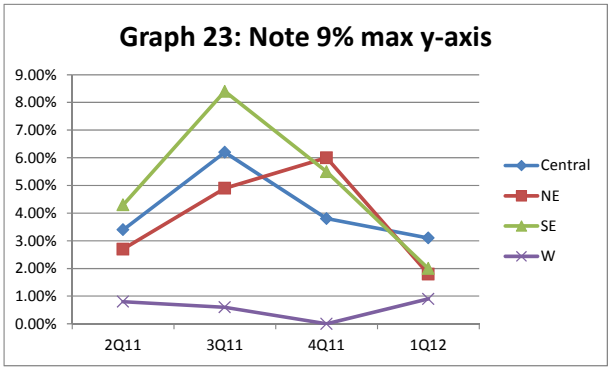
Graph 23: Note 9% max y-axis
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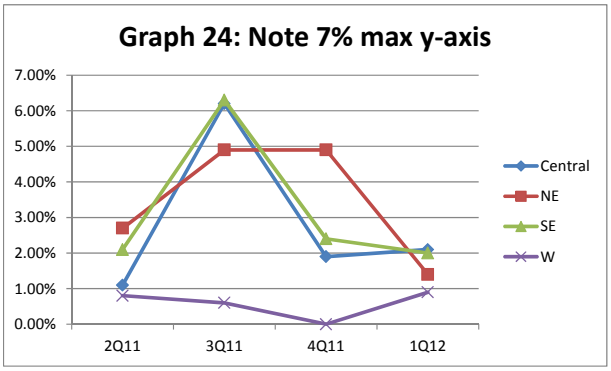
Graph 24: Note 7% max y-axis
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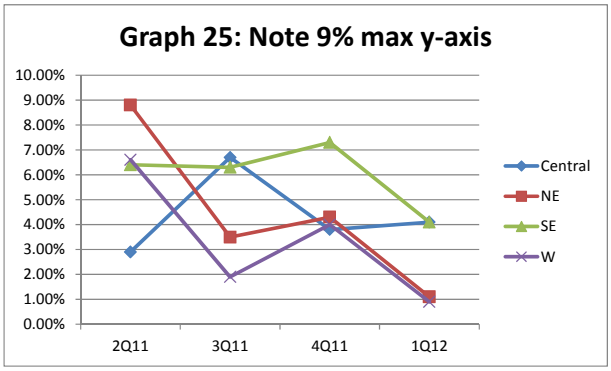
Graph 25: Note 9% max y-axis
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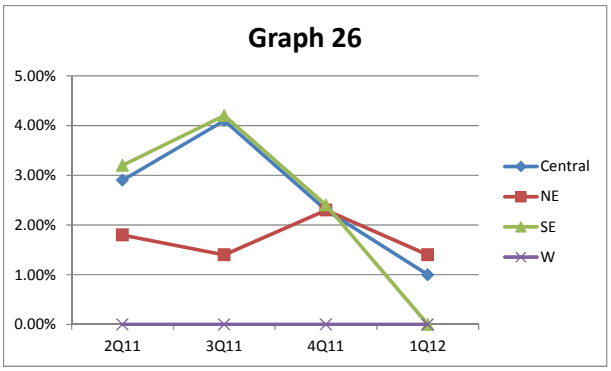
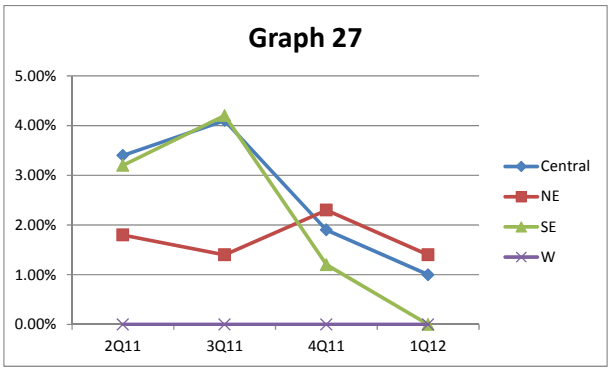
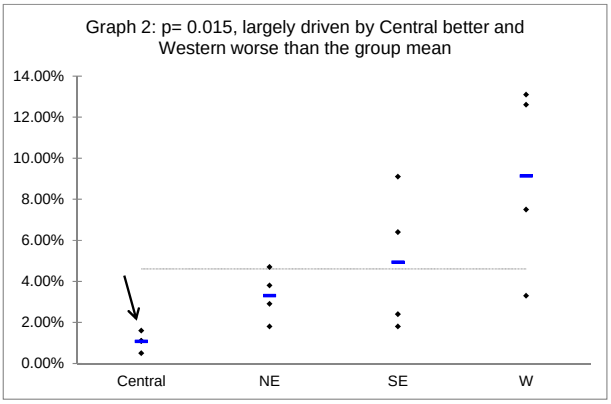
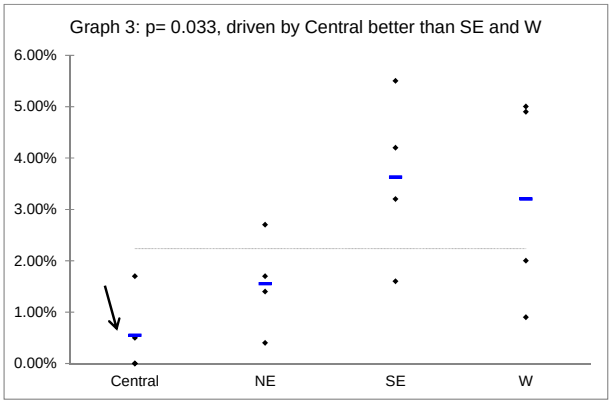
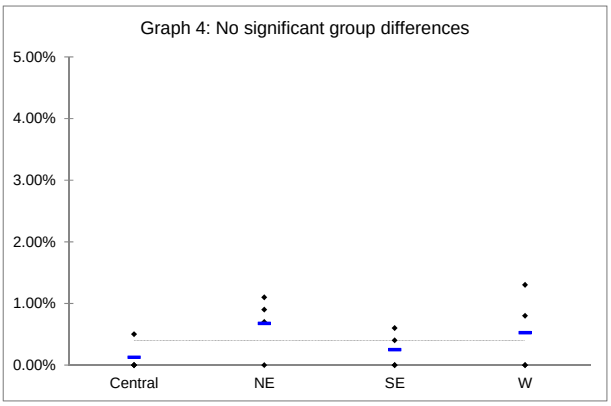


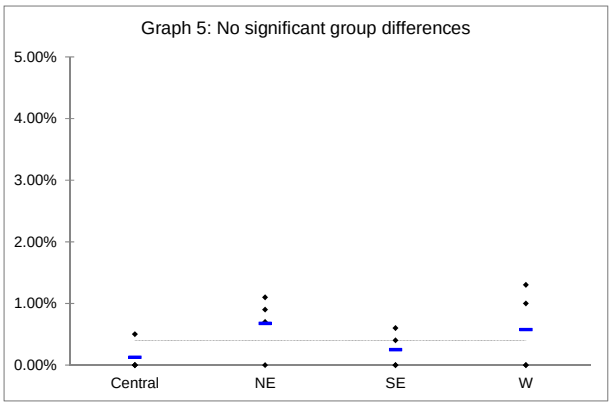


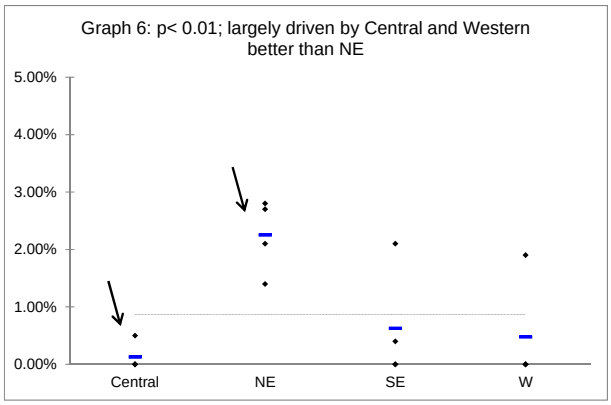
IV. Analysis of variance (ANOVA) graphs. The below-depicted scatterplots show for each region, the percent NO during each of the quarters. The blue dash represents the mean over the 4 quarters. The black dash line is the group mean. Black arrows point, within each graph, to region (s) where their data do not overlap (positively or negatively) with the group mean. For these, separate outlier analysis (2-sample t-test with repeated measure correction [Bonferroni]) were conducted to test their performance against group means (data and analyses shown on the accompanying spreadsheet under Output)

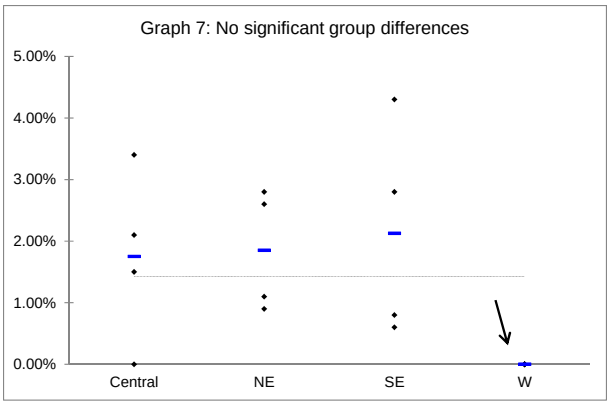


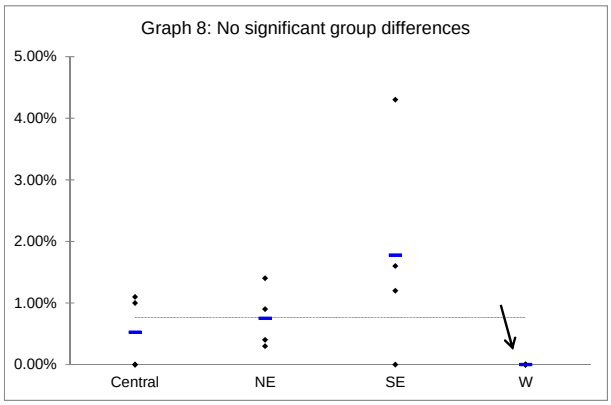


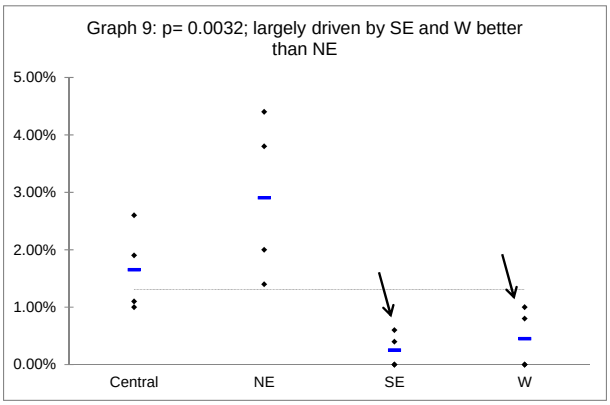


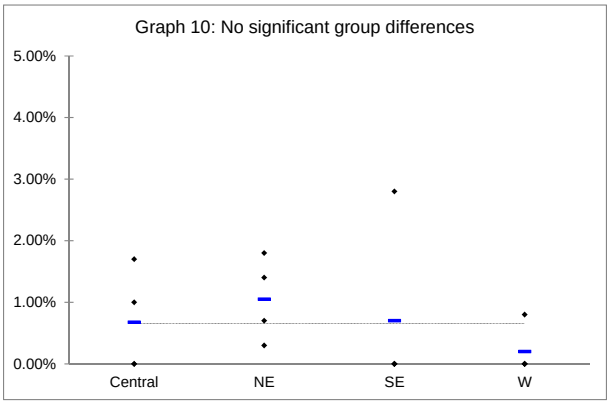


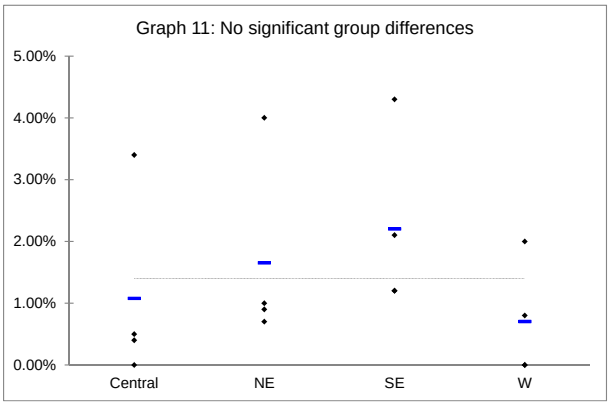


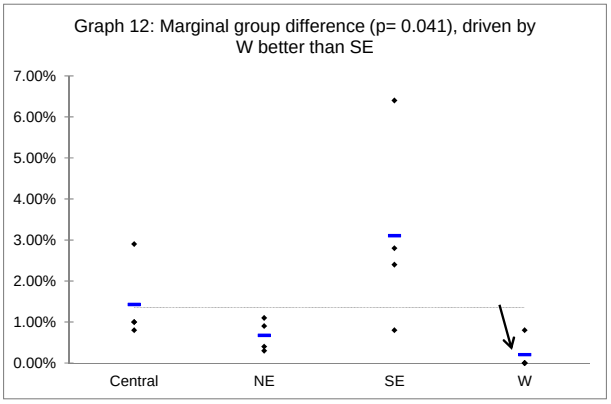


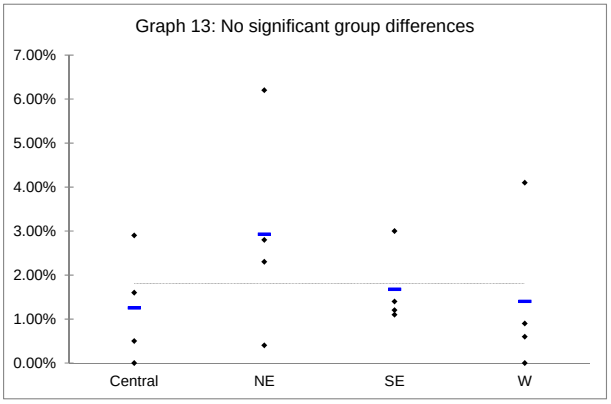




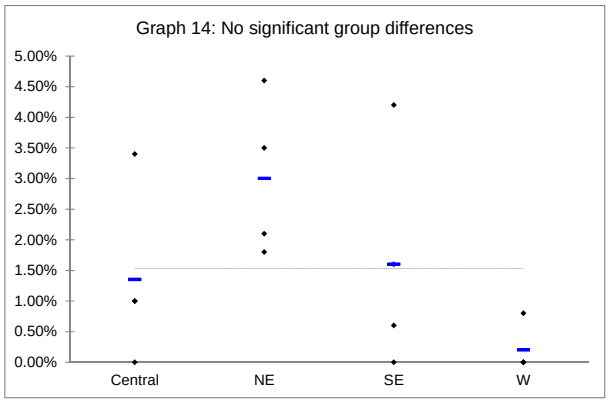


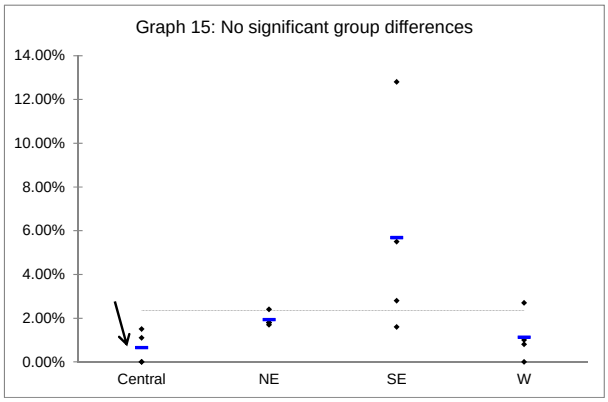


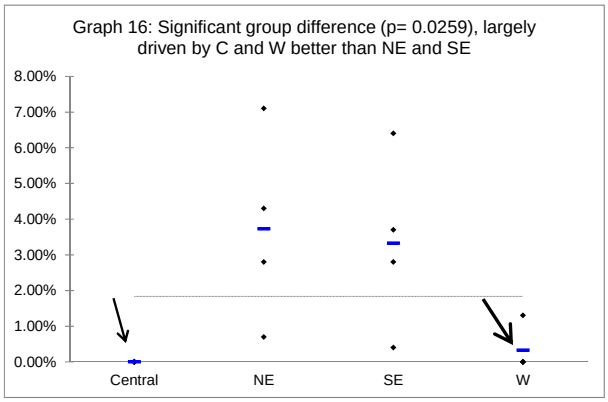


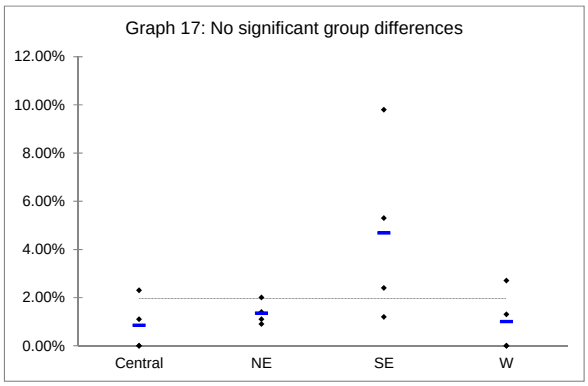


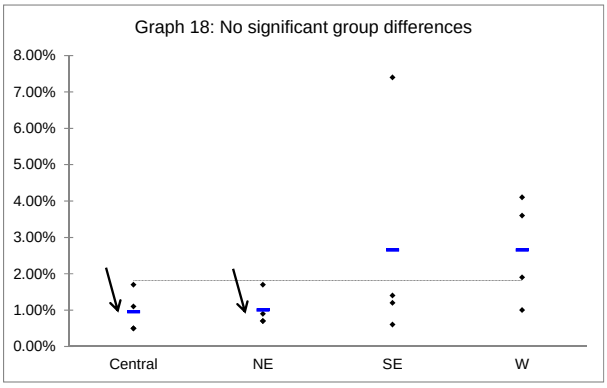
Attachment B

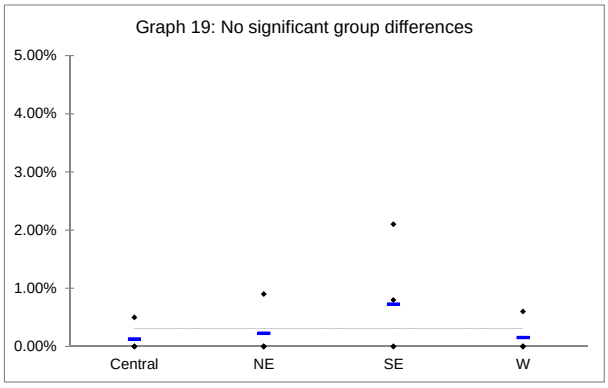




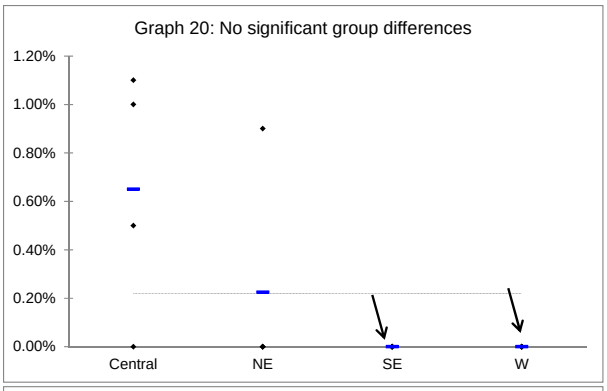


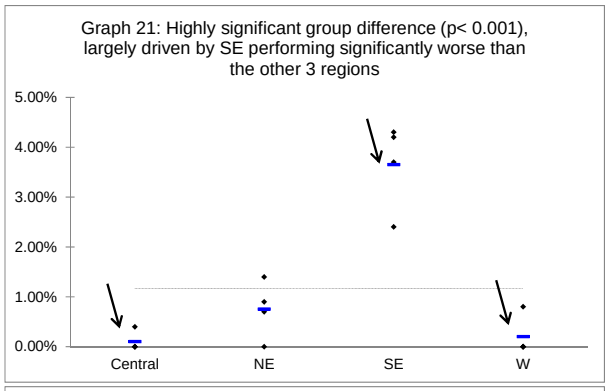


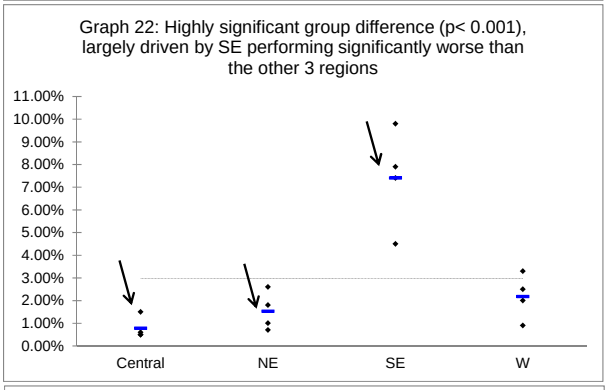


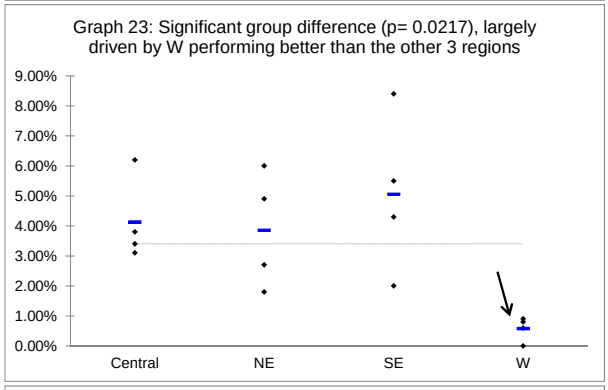


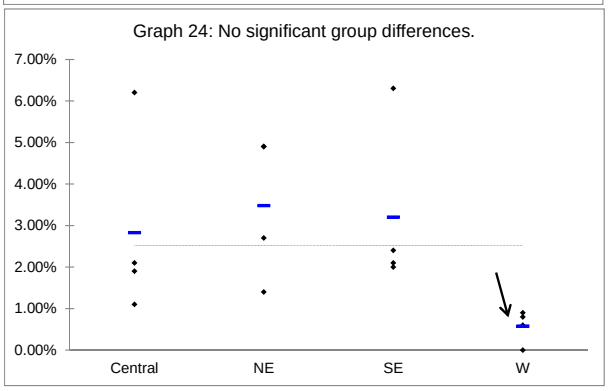
Attachment B

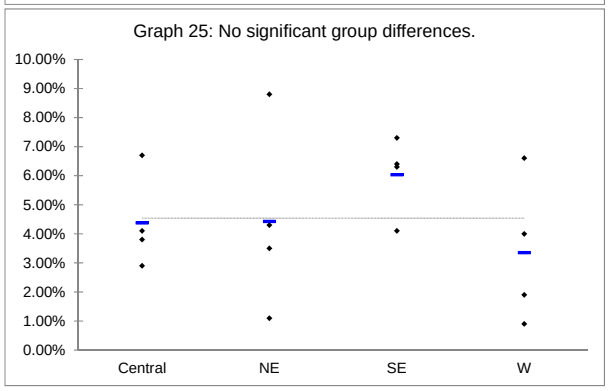




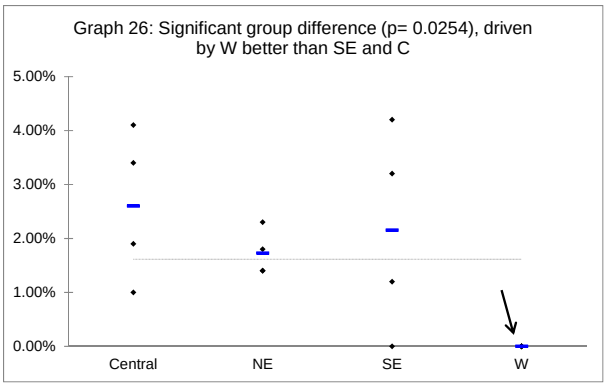


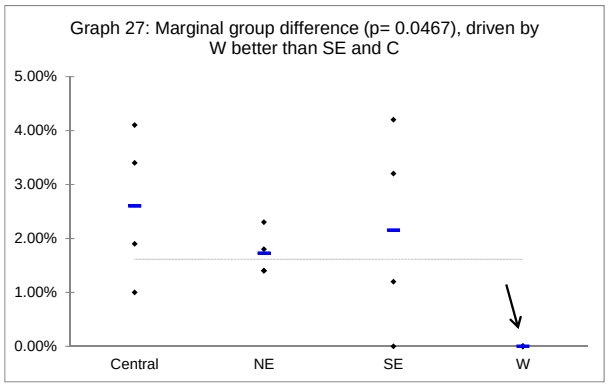






Attachment B


Graph 26: Significant group difference (p= 0.0254), driven by W better than SE and C
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
Central
NE
SE
W


Graph 27: Marginal group difference (p= 0.0467), driven by W better than SE and C
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
Central
NE
SE
W