|  |
| --- |
| **Forecast Accuracy** |

**Forecasts Used:**

All forecast accuracy measurements shown are taken as a comparison between the forecast number and the actual number on roll at the Spring census point for the 2021/22 academic year (January 2022). 1 year ahead refers to the forecast produced during the 2020/21 academic year; 2 year ahead refers to the forecast produced during the 2019/20 academic year and 3 year ahead refers to the forecast produced during the 2018/19 academic year.

**Average Accuracy Error:**

This column compares the overall actual number on roll for an Essex planning group against the total forecast. A negative figure would mean the forecasts were less than the actual number of pupils on roll. However, most of the average accuracy errors here are positive i.e. showing the average percentage by which forecasts over-estimated the actual number in a planning group.

**Average Absolute Accuracy Error:**

By using the Average Absolute Error method under and over forecasts are not offset but instead their absolute values are averaged (i.e. ignoring whether under or over). For example, an over forecast of 10% and an under forecast of 6% figures would produce an Average Absolute Accuracy Error of 8%.

**Planning Groups accurate to within a given %:**

These indicators show the percentage of planning group forecasts that are accurate within an Average Absolute Error value of 3%, 5% and 10% respectively.

**Essex Primary Planning Groups**

|  |  |  |  |
| --- | --- | --- | --- |
| **Accuracy Measure of Primary Forecasts** | **1-year ahead** | **2-year ahead** | **3-year ahead** |
| Average accuracy error (%) | 1.0% | 0.0% | 3.2% |
| Absolute average accuracy error (%) | 2.0% | 2.9% | 4.8% |
| % Planning groups accurate to within +/- 3% | 80% | 61% | 45% |
| % Planning groups accurate to within +/- 5% | 91% | 84% | 65% |
| % Planning groups accurate to within +/- 10% | 98% | 95% | 86% |

**Essex Secondary Planning Groups**

|  |  |  |  |
| --- | --- | --- | --- |
| **Accuracy Measure of Secondary Forecasts** | **1-year ahead** | **2-year ahead** | **3-year ahead** |
| Average accuracy error (%) | 1.8% | 1.8% | 4.0% |
| Absolute average accuracy error (%) | 2.0% | 2.8% | 4.3% |
| % Planning groups accurate to within +/- 3% | 75% | 71% | 61% |
| % Planning groups accurate to within +/- 5% | 93% | 82% | 71% |
| % Planning groups accurate to within +/- 10% | 100% | 96% | 93% |