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| --- | --- | --- | --- | --- | --- |
|  | 4 marks | 3 marks | 2 marks | 1 mark | 0 marks (not shown) |
| Design(4 marks) | Designs for the spreadsheet and 2 charts are accurate, complete and highly detailed All formulas shown correctly | Designs for the spreadsheet and 2 charts are accurate, and show most detail. Some formulas shown | Designs for the spreadsheet and 2 charts are accurate, but to a basic level. (not detailed and/or lots missing). Some formulas shown | Designs have been started but are incomplete, and/or not all designs are present.(low) | Not attempted |
| Development(10 marks) | 1 mark for each element: (total of 10 marks)* Spreadsheet shows correct totals in total overseas born using a formula (1 mark)
* Spreadsheet shows “increased” or “decreased” message using a formula (1 mark)
* Chart A - showing the age groups of males who have asthma in 2011-12
* Chart B - A comparison of asthma, arthritis and deafness for people born in Australia as compared to people born overseas.
* Chart C - Show the percentages for each disease for 2005.
* Chart D - Has the number of people with long term conditions increased between 2007-8 and 2011-12?

 (2 marks each for the charts if all outputs are printed on separate sheets with clear titles, X and Y axis labels, data is correct, and suitably presented. 1 mark if errors/omissions). Student names must also be printed on each page. |
| Testing (3 marks) |  | Screen shot showing validation message and clear explanation of criteria used to test the charts | Some explanation of criteria used and screen shot showing validation | Minimal explanation of criteria used and/or no screen shot of validation | Not attempted |
| Evaluation(3 marks) |  | All 3 questions fully answered:* Why use charts to display data?
* Groups who would find useful
* Are we becoming less healthy?
 | 2 questions answered or 3 questions have basic answers | 1 question answered or answers were of poor quality | Not attempted |

Total: 20 marks. A = 16-20 B = 14-15 C = 12-13 D = 10-11 E = 8-9 N = <7 My mark: