

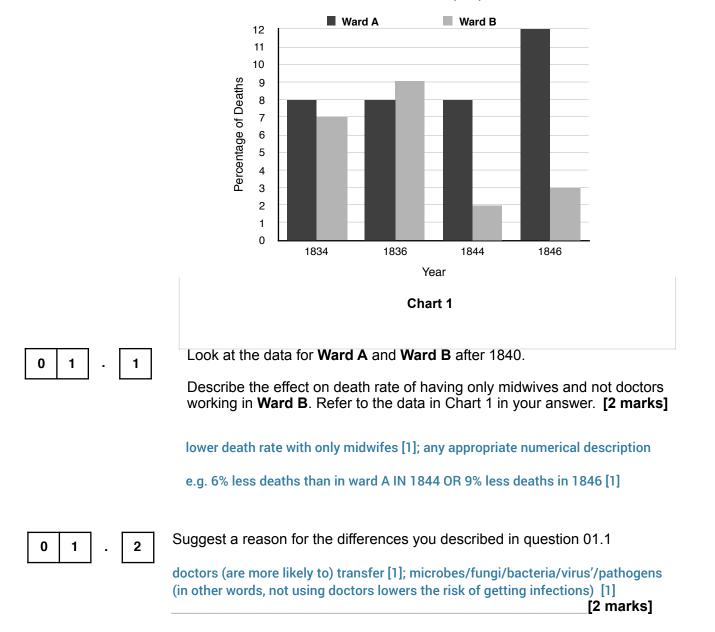
The graph below shows data regarding deaths of women who gave birth in a hospital during the 1800s. An important doctor working in the hospital was Dr Semmelweis.

Women gave birth in one of two wards, Ward A and Ward B.

Before 1840 both doctors and midwives worked in both **Ward A** and **Ward B**.

After 1840 only doctors worked in **Ward A** and only midwives worked in **Ward B**.

Doctors often worked in other wards with people who had diseases.





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After 1846, in a controlled experiment, Dr Semmelweis made doctors wash their hands in chloride of lime solution before delivering the babies.

The chart shows the death rates in the two wards from 1848.

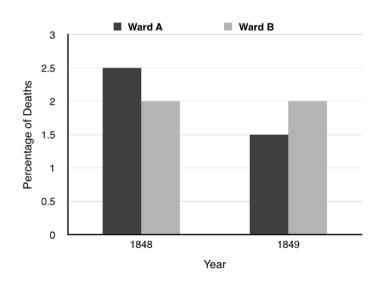


Chart 2

What was the impact of making doctors wash their hands in chloride lime solution? Use evidence from **Chart 1** and **Chart 2** to help you.

decrease of deaths in ward A [1]; refer to an approximate proportional drop of

approximately 4 x less in 1848 or approximately 6 x less in 1849 [1]; reference

to the number or percentage of deaths being closer to ward B [1]

[3 marks]

4 Suggest why washing hands in chloride of lime had the impact you described in 01.3

Chloride of lime (do not just say 'it') kills germs/pathogens/bacteria/virus'/fungi

[1 mark]

DON'T FORGET : With any 'DESCRIBE' question associated with a graph - there is a temptation to EXPLAIN the reasons behind the data but that is not what is being assessed, instead you need to say what you see in the graph, describe patterns and quote some data.

