

# Florence Nightingale – an introduction to pie charts

## Instructions

- Go to **Google – images** and type in Florence Nightingale pie chart or see p2.
- In the lesson give the students a copy of the chart and say that they have twenty questions to work out who made it.
- Encourage a logical approach to working it out – not just wild guessing. When I did they got it after six questions!
- If you want more information about the chart go to – [www.florence-nightingale.co.uk](http://www.florence-nightingale.co.uk)
- Useful for stimulating discussion about the reasons for presenting information graphically, the influence of statistics, and interesting information about Florence Nightingale.
- Note: in Florence Nightingale's polar area chart the angles are fixed – it is the *area* of each section that reflects the value of the data.
- For further information to share with students – try these links

<http://www.uh.edu/engines/epi1712.htm> (includes audio track)

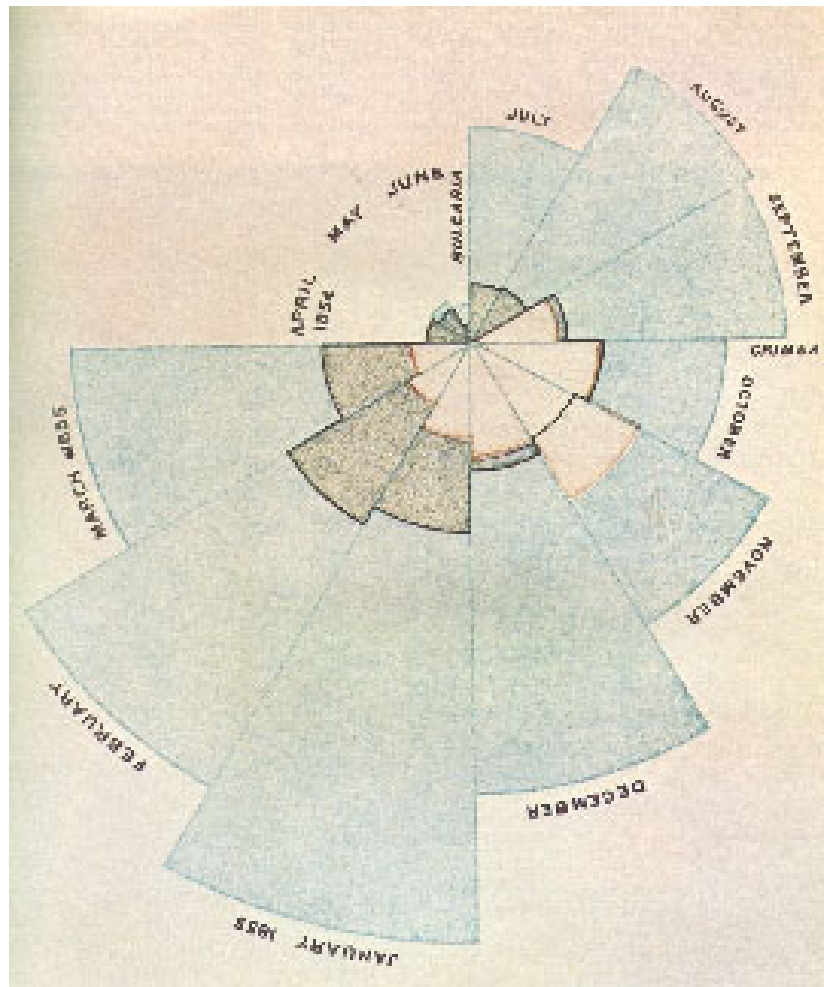
<http://www.agnesscott.edu/lriddle/women/nightpiechart.htm>

[http://www.agnesscott.edu/lriddle/women/night\\_educ.htm](http://www.agnesscott.edu/lriddle/women/night_educ.htm)

<http://www.florence-nightingale-foundation.org.uk/>

- Page 3 shows a labelled chart – can be used for further discussion *after* the question and answer session.

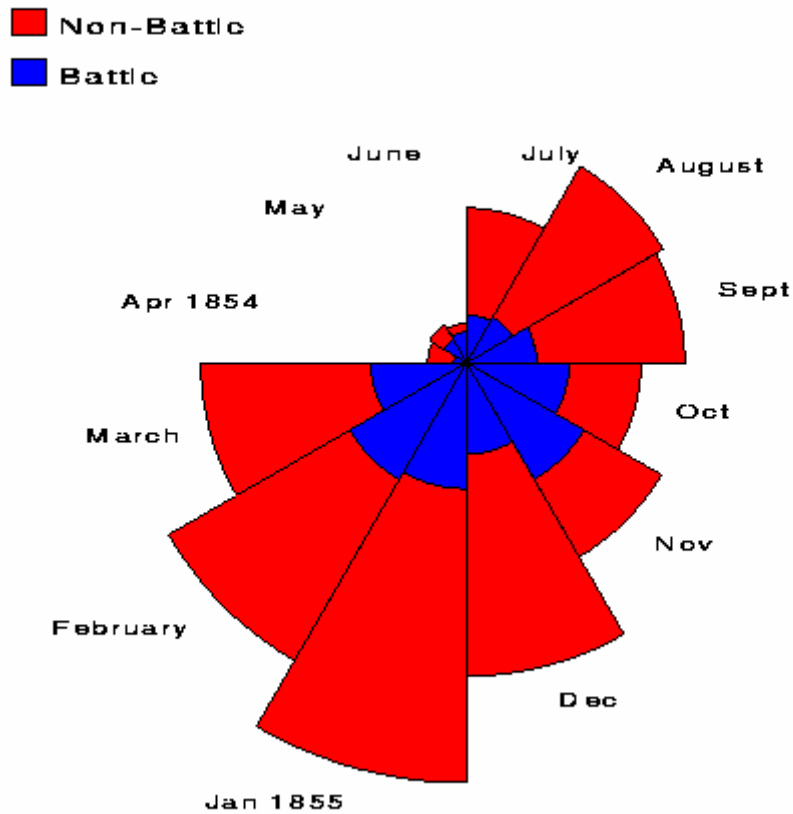




- *Sorry, don't know where image is from, but it's very similar to one at*

<http://www.uh.edu/engines/epi1712.htm>

### Causes of Mortality in the Army in the East April, 1854 to March 1855



From: F. Nightingale, "Notes on Matters Affecting the Health, Efficiency and Hospital Administration of the British Army", 1858

■ Image from

<http://www.math.yorku.ca/SCS/Gallery/images/coxcomb.gif>