

**ALVASTON MEDICAL
CENTRE**

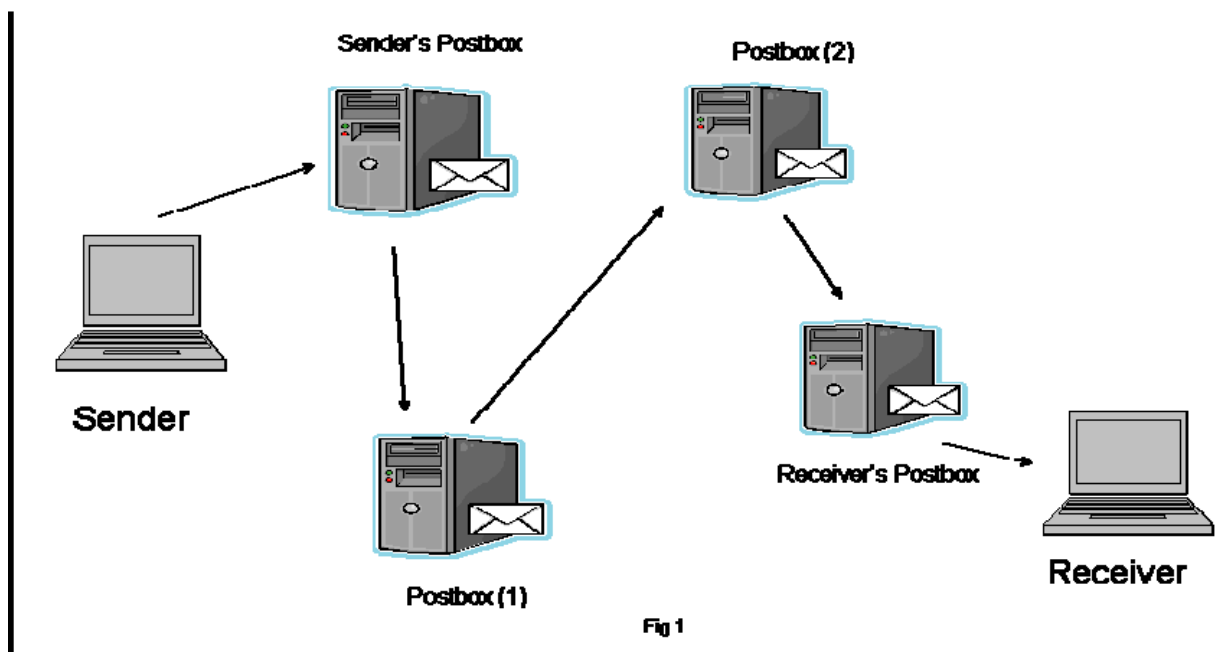
The security of e-mail

There are a number of potential risks when using e-mail of which users should be aware. This is a non-technical (and very simplified) explanation of some of the confidentiality risks which exist.

Issues with e-mail

When you send an e-mail message, the message is sent in clear text, so anyone can read the content.

It is unlikely that the message you send will go straight to the computer from where it will be read. The message will be sent to a computer nearer to its final destination like a sequence of post boxes. Each time the e-mail goes through a post box, a copy remains in the post box. Because of the way the internet works, it is impossible to know how many post boxes the e-mail will go through on its journey. See figure 1.



In figure 1, the message remains in post boxes (1) and (2) until the owners of those post boxes delete the message, even if the sender and receiver delete the message. So anyone who gains access to the post box has access to your e-mail message.

Many e-mail systems will also send your username and password at the start of your with the contents of your e-mail.

There are other risks including:

- E-mail may be sent to the wrong address by any sender or receiver;
- E-mail is easier to forge than handwritten or signed papers;
- E-mail can be intercepted, altered, forwarded, or used without detection or authorisation;
- E-mail delivery is not guaranteed.

These are potential problems of which you should be aware, however, e-mail is convenient and used by millions of people every day.

Advice to staff and patients

- E-mail has been likened to sending a post card. Our advice is do not put anything in an e-mail if you are concerned about someone else seeing it.
- There is no guarantee of delivery, or delivery time, when using e-mail so do not use it in cases of emergency.
- It is your responsibility to follow up with the Practice if you have not received a response to your e-mail within a reasonable period of time.
- If you have asked the Practice to communicate with you via e-mail it is your responsibility to advise the Practice of any change of e-mail address. You may withdraw your consent for the Practice to communicate with you via e-mail at any time.
- You should be aware that if you share your computer it may be possible for other people to be able to see emails you have sent or sites you have visited on the Internet, as your computer keeps a record of these.
- To protect against viruses and SPAM we ask that attachments are not included within emails to Alvaston Medical Centre, unless the recipient has arranged this and is expecting to receive one. If we suspect your email contains these, we may delete it without opening to prevent any damage to the Practice systems and services.