

IN BRIEF

- Multimedia CD-ROMs can offer an effective and useful method of supporting continuing professional development.
- The fact that not all members of the dental team may have access to a posted resource following distribution suggests that online delivery may be preferable.
- Delivery of learning material by electronic means appears to have a beneficial effect in influencing change in clinical practice.
- Interactive e-learning resources with inbuilt CPD modules may provide a more interesting way of accessing information in areas not easily delivered by conventional means.

Evaluation of an e-learning CD-ROM

Post-impact evaluation of an e-learning cross-infection control CD-ROM provided to all general dental practitioners in England **S. Leaton Gray,¹ C. Howell² and C. D. Franklin³**

ABSTRACT

Aim

To carry out a post-impact evaluation of a cross-infection control CD-ROM, developed for NHS dental teams as a continuing professional development e-learning tool. The program was commissioned by the Department of Health and developed by a project team through the UK Committee of Postgraduate Dental Deans. The Dental Practice Board had originally sent one copy of the CD-ROM to each dental practice in England in 2004.

Method

A quantitative statistical analysis of the results of 326 online respondents to the learning package and a survey of 118 dental practitioners drawn from the Dental Practice Board database.

Results

Practitioners felt the CD-ROM in this instance was well-designed and appropriate for their needs. It is inclusive and accessible to a wide range of dental professionals including nurses and hygienists.

Conclusions

This form of continuing professional development is popular with dental practitioners, although it should not be the only form of continuing professional development available. However, whilst the project was generally regarded as successful, there were problems with the distribution of the CD-ROM. This suggests that an online resource should be made available in the future.

EDITOR'S SUMMARY

A CD-ROM would appear to be an excellent method of delivering continuing professional development (CPD) to increasingly busy GDPs. CPD is a vital part of dentistry but in today's pressurised world, it is important that any method or tool for CPD training is engaging and easy to access or attend. A CD-ROM has the advantage that it can be used and returned to at a time that best suits the user and that interactive material, video and other advanced features can be included that could not be delivered in, for example, a book. However, the actual success of CPD CD-ROMs is notoriously difficult to determine.

This paper attempts to assess whether a CD-ROM is indeed an effective method of CPD delivery. The CD-ROM in this case covered the important subject of cross-infection control and was sent to every dental practice in England. Its effectiveness was evaluated by a combination of online assessments developed as part of the CD-ROM itself, and a separate paper and online survey of 118 practitioners. The results showed that overall, the CD-ROM was a successful method of CPD delivery: users showed significantly increased knowledge of cross-infection control after using the resource and comments from practitioners were generally positive. It was also found to be useful for other members of the dental team. However, the method of distributing the CD-ROM was found to be a critical factor: the authors estimated that around half of all dentists either did not receive the CD-ROM or did not have sight of it.

A CD-ROM training tool may be perfectly designed and up to date, but if it does not reach those for whom it is intended it will have ultimately failed in its purpose. The authors suggest that in future, CD-ROMs should be sent to individual practitioners or else training should be provided online via the Internet. This is an important message to take away from the paper for future development of similar CPD resources.

The full paper can be accessed from the *BDJ* website (www.bdj.co.uk), under 'Research' in the table of contents for Volume 203 issue 9.

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