Infographics and digital resources

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Infographics and digital resources: an international consensus on golf and health

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INTRODUCTION
New knowledge from research findings rarely produces rapid efficient changes in practice. Barton and Merolli proposed a model which may help improve knowledge translation via the addition of two novel contemporary steps: multimedia creation and subsequent dissemination (see figure 1).

Following this model, we recently produced digital/multimedia resources to help communicate and disseminate the International Consensus on Golf and Health.

RESEARCH COMPLETION AND PUBLICATION
A systematic literature review and modified Delphi process underpinned the International Consensus on Golf and Health and this was published in the British Journal of Sports Medicine in 2018.

Figure 1  Visual representation of a process to improve knowledge translation based on Barton and Merolli’s model.

Designed by @Eisicteraplanet  Barton CJ and Merolli MA. BJSIM 2017

Consensus is intended to support (1) golfers and potential golfers; (2) golf facilities and the golf industry; and (3) policymakers to make evidence-informed decisions that can maximise the health benefits of golf and minimise the health risks associated with this sport.

MULTIMEDIA CREATION

Articles containing visual information are read three times more often than those without. Humans remember up to 6.5 times more through learning from visual imagery than by reading text alone. This makes sense. How many text-only adverts do you see? What is your reaction to a wordy PowerPoint presentation? We produced bite-sized resources (infographics, podcasts and video content) with the key messages stemming from the consensus statement.

Infographics have been made to support end-user groups: (1) golf players/potential players; (2) the golf industry/facilities; and (ii) policymakers external to golf. These visual resources highlight the specific actions that can lead to the biggest gains in health and well-being related to golf (see figures 2–4). They complement published infographics regarding golf and health and maximising golf performance.

Video content was designed to have broad interest. We featured leading players who had won multiple major championships as well as researchers, clinicians and public health ministers. These are available on 4 October 2018.
Infographics

WHAT CAN THE GOLF INDUSTRY/FACILITIES DO TO MAXIMISE THE HEALTH BENEFITS OF GOLF?

SPREAD THE WORD
Golf facilities and the golf industry can share key health benefits and messages with golfers and potential golfers.

MULTI-FUNCTIONALITY
Facilities in addition to golf could include for example, a gym, walking routes, child care.

WOMEN & GIRLS
Inspire and recruit more women and girls to play golf, and retain their participation in the game.

PROVIDE
Warm up facilities, and stock sunscreen, water and healthy food.

AVOID
Mandatory golf cart use, and encourage players to walk the course.

PROMOTE SAFETY & SUSTAINABILITY
Maintain policies, facilities and golf carts. Restrict water, energy and chemical use.

CONCLUSION
Barton and Merolli’s model offer researchers strategies to increase the visibility of their work. After conducting an International Consensus on Golf and Health and publishing it in the BJSM, we

at www.golfandhealth.org. A podcast with more detail discussing the International Consensus on Golf on Health is available at https://soundcloud.com/bmjpodcasts/sets/bjsm-1. It offers researchers and others interested a ‘deeper dive’ into the methods and findings.

DISSEMINATION AND COMMUNICATION
Infographics and other multimedia/digital resources facilitate the sharing of key messages and engagement with research. They are not a substitute for reading the detailed peer reviewed article. Strategies for sharing content can include:
- social media platforms (eg, via Twitter, Facebook, Instagram and blogs)
- email, plus or minus press release distribution
- direct communications including discussions, meetings and presentations targeting relevant stakeholders.
We used these strategies to share our previous scoping review on golf and health. This approach to sharing new research may have contributed to this manuscript being the subject of over 90 press articles, a supportive Early Day Motion in the UK parliament and achieving an Altmetric score >1300.

Figure 3 Infographic. What can the golf industry/golf facilities do to maximise the health benefits of golf?

shared bite-sized multimedia resources to assist the dissemination and communication of the consensus. The BJSM is well positioned to support researchers who wish to produce similar digital resources. Options include, but are not limited to, co-producing podcast and blog content, and sharing purpose-created digital resources via popular Twitter, Facebook, Instagram and YouTube platforms.
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Contributors ADM, CJB, IRM, DA and RAH identified the framework and wrote the text. ADM, DG and KB produced and refined the digital assets. All authors commented on drafts and contributed to the development of the final manuscript and assets.

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