



## LJMU Research Online

**McVeigh, J**

**Engaging with people who use image and performance enhancing drugs: one size does not fit all.**

<http://researchonline.ljmu.ac.uk/id/eprint/10745/>

### Article

**Citation** (please note it is advisable to refer to the publisher's version if you intend to cite from this work)

**McVeigh, J (2019) Engaging with people who use image and performance enhancing drugs: one size does not fit all. International Journal of Drug Policy, 71. pp. 1-2. ISSN 0955-3959**

LJMU has developed **LJMU Research Online** for users to access the research output of the University more effectively. Copyright © and Moral Rights for the papers on this site are retained by the individual authors and/or other copyright owners. Users may download and/or print one copy of any article(s) in LJMU Research Online to facilitate their private study or for non-commercial research. You may not engage in further distribution of the material or use it for any profit-making activities or any commercial gain.

The version presented here may differ from the published version or from the version of the record. Please see the repository URL above for details on accessing the published version and note that access may require a subscription.

For more information please contact [researchonline@ljmu.ac.uk](mailto:researchonline@ljmu.ac.uk)

<http://researchonline.ljmu.ac.uk/>

Engaging with people who use image and performance enhancing drugs: one size does not fit all. The recent commentary ‘The unintended consequences of emphasising blood-borne virus (BBV) in research on, and services for, people who inject image and performance enhancing drugs’ (Underwood, 2019) is a valuable contribution to our appreciation of the complexities and also the basics of harm reduction. Clearly, some who use anabolic androgenic steroids (AAS) and associated drugs do not consider BBV to be a significant issue, in fact, they feel it a distraction from their legitimate concerns. Underwood gives a voice to the frustration that a population of enhanced bodybuilders feel and expresses their resentment that they, as the experts in their own behaviours, are not heard beyond their peers and that the work of some researchers in the field is a misrepresentation of their lives. As an author of some of this research and the specific target of online criticism from some enhanced bodybuilders, I can appreciate their frustration, understand their criticism but reassert the research findings and conclusions of my work. Until relatively recently, there was little evidence of BBVs amongst those who use AAS. Occasional case reports and results from small-scale studies supported the consensus that although there were potential risks, BBVs amongst those who use AAS was not a significant public health issue.

The publication of United Kingdom (UK) research (Hope et al., 2013) provided important new evidence of the presence of BBV amongst AAS users. These findings are robust and have been supported in subsequent work (Hope et al., 2016), with findings of undiagnosed hepatitis C also being a cause for concern (Hope et al., 2017). As an author of this work I recognise, and have stated the limitations to this work, regarding its generalisability to countries beyond the UK or even its applicability to all populations of AAS users in the UK (Hope et al., 2013). Furthermore, it has not been claimed that HIV or other BBVs were transmitted through the administration of anabolic steroids and associated drugs, but that amongst this population of people who use AAS, prevalence of HIV was similar to those injecting psychoactive drugs in the UK (Hope et al., 2013). Transmission is likely to have occurred for at least some, during prior injection of psychoactive drugs or through unprotected sex. Additionally, the populations of those using AAS within our studies were characterised by high levels of cocaine use (46% had snorted cocaine in the previous year) and higher levels of incarceration than seen in the general male UK population.

It is unsurprising that some enhanced bodybuilders, do not feel that these characteristics and associated risk behaviours are an accurate reflection of their lived experience and therefore their priorities. For some enhanced bodybuilders it is the management of anabolic-androgenic steroid induced hypogonadism (Tan & Scally, 2009) or reduction of long-term cardiovascular risks (Baggish et al., 2017) that are of far greater import.

For researchers, this demonstrates the importance of not only delivering impactful research but in ensuring that the recipients hear the full, nuanced and often complex findings. It is essential that in delivering our conclusions, we not only serve one section of the population, and we do not inadvertently create a barrier to service engagement for another. Furthermore, while we cannot control how the media represents our work, a concerted effort to engage and influence journalists may reduce the occurrence and magnitude of misleading stories. Various methodologies have identified a range of different typologies (Christiansen, Vinther, & Liokaftos, 2016; Dawson, 2001; Hildebrandt, Langenbucher, Carr, & Sanjuan, 2007; Zahnow et al., 2018), however, this spectrum of users may be even broader than previously indicated. I fully support Underwood's conclusion that it is essential that harm reduction initiatives and research address the varying needs of diverse populations of people who use AAS and that all their voices are heard.

Baggish, A. L., Weiner, R. B., Kanayama, G., Hudson, J. I., Lu, M. T., Hoffmann, U., & Pope, H. G., Jr. (2017). Cardiovascular Toxicity of Illicit Anabolic-Androgenic Steroid Use. *Circulation*, *135*(21), 1991-2002. doi:10.1161/CIRCULATIONAHA.116.026945

1Christiansen, A. V., Vinther, A. S., & Liokaftos, D. (2016). Outline of a typology of men's use of anabolic androgenic steroids in fitness and strength training environments. *Drugs*.

Dawson, R. T. (2001). Drugs in sport - the role of the physician. *Journal of Endocrinology*, *170*, 55-61.

Hildebrandt, T., Langenbucher, J. W., Carr, S. J., & Sanjuan, P. (2007). Modeling population heterogeneity in appearance- and performance-enhancing drug (APED) use: Applications of mixture modeling in 400 regular APED users. *Journal of Abnormal Psychology*, *116*(4), 717- 733.

doi:10.1037/0021-843x.116.4.717

Hope, V. D., Harris, R., McVeigh, J., Cullen, K. J., Smith, J., Parry, J. V., . . . Ncube, F. (2016). Risk of HIV and Hepatitis B and C Over Time Among Men Who Inject Image and Performance Enhancing Drugs in England and Wales: Results From Cross-Sectional Prevalence Surveys, 1992-2013. *Aids-Journal of Acquired Immune Deficiency Syndromes*, *71*(3), 331-337.

doi:10.1097/Qai.0000000000000835

Hope, V. D., McVeigh, J., Marongiu, A., Evans-Brown, M., Smith, J., Kimergard, A., . . . Ncube, F. (2013). Prevalence of, and risk factors for, HIV, hepatitis B and C infections among men who inject image and performance enhancing drugs: a cross-sectional study. *BMJ Open*, *3*(9), e003207-e003207.

doi:10.1136/bmjopen-2013-003207

Hope, V. D., McVeigh, J., Smith, J., Glass, R., Njoroge, J., Tanner, C., . . . Desai, M. (2017). Low levels of hepatitis C diagnosis and testing uptake among people who inject image and performance enhancing drugs in England and Wales, 2012-15. *Drug and Alcohol Dependence*, *179*, 83-86.

doi:doi.org/10.1016/j.drugalcdep.2017.06.018

Tan, R. S., & Scally, M. C. (2009). Anabolic steroid-induced hypogonadism--towards a unified hypothesis of anabolic steroid action. *Med Hypotheses*, *72*(6), 723-728.

doi:10.1016/j.mehy.2008.12.042

Underwood, M. (2019). The unintended consequences of the current approach to blood borne virus prevention amongst people who inject image and performance enhancing drugs: A commentary based on enhanced bodybuilder perspectives. *International Journal of Drug Policy*, *67*, 19-23.

Zahnow, R., McVeigh, J., Bates, G., Hope, V., Kean, J., Campbell, J., & Smith, J. (2018). Identifying a typology of men who use Anabolic Androgenic Steroids (AAS). *International Journal of Drug Policy*, *55*, 105-112.