



## Application form for use of ESPAD Databases

**Date:** 08-11-2012

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**Are you an ESPAD Principal Investigator or Contact Person?**  Yes  
 No

**Which database(s) do you apply for?**  2003  
 2007 (Non-ESPAD researchers from July 1, 2013)  
 2011 (Non-ESPAD researchers from July 1, 2015)

**List of authors (preliminary):**  
Sumnall HR, Atkinson AM, Bellis MA

**Working title of the project:**  
Associations between European tobacco control policies and cannabis use in young people

**Work Plan:** (Please describe objectives, methods and specify the research question(s), maximum 250 words.)  
There is a close association between cannabis and tobacco smoking, not least because in many European countries cannabis ingestion is dependent upon use of tobacco as a delivery aid. Although mean ESPAD tobacco and cannabis prevalence remained relatively stable between 2007 and 2011, in many participating countries there has been a decrease in use of both. This study firstly aims to investigate profiles of tobacco-cannabis polysubstance use. Secondly, as it has been suggested that changes in cannabis prevalence are, in part, an indirect consequence of the impact of national tobacco control policy, we will seek to identify the association between changes in such policies and tobacco-cannabis polysubstance use. Preliminary analysis will identify those ESPAD countries that provide suitable data for further analysis; latent class/profile analysis will be used to segment cannabis/tobacco using populations; and after propensity score matching of cases on covariables taken from the 2007 and 2011 databases, a subpopulation will be investigated with respect to changes in cannabis use. In an extension of the analysis presented by Piontek et al (2012) both individual and national level factors will be explored using generalised linear mixed modelling. For example, a modified version of the Tobacco Control Scale (2007 and 2011 data) will be used as an indicator of the strictness of national tobacco policies.

**Planned type of publication:**  Paper/article  Report  PhD  
 Other, which:

**Questions (see Questionnaire(s)) to be included in the analysis:** (Please indicate the question numbers.)

Core questions include:

C01; C05; C07-10; C11-12; C18-20; C24-27; C33-C36; C37-38; C42-43; C44;

Depending on data coverage:

MA1-3;MD1-MD2

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Non-ESPAD researchers should e-mail this document to an ESPAD Principal Investigator or Contact Person (see [www.espad.org](http://www.espad.org)), who will forward it to the coordinators.