

2017

Research workbook

FRANCE

2017 National report (2016 data) to the EMCDDA by the French Reitox National Focal Point

Supervision: Christophe Palle

Contribution to the workbooks

- 1.1 *Drug Policy*: Cristina Díaz-Gómez
- 1.2 *Legal Framework*: Caroline Protais, Cristina Díaz-Gómez
- 2 *Drugs*: Olivier Le Nézet, Agnès Cadet-Taïrou, Magali Martinez, Eric Janssen
- 3.1 *Prevention*: Carine Mutatayi, Caroline Protais
- 3.2 *Treatment*: Christophe Palle, Anne-Claire Brisacier, Caroline Protais
- 3.3 *Best Practice*: Carine Mutatayi
- 3.4 *Harms and Harm Reduction*: Anne-Claire Brisacier, Cristina Díaz-Gómez, Maitena Milhet, Thomas Néfau
- 4 *Drug Market and Crime*: Michel Gandalhon, Magali Martinez, Thomas Néfau, Caroline Protais, Cristina Díaz-Gómez
- 5.1 *Prison*: Caroline Protais
- 5.2 *Research*: Isabelle Michot, Maitena Milhet

Proofreading (French version): Julie-Émilie Adès, Ivana Obradovic (OFDT); Nicolas Prisse, president of the Interministerial Mission for Combating Drugs and Addictive Behaviours, and the project managers of the MILDECA

Proofreading (English version): Julien Morel d'Arleux, Anne de l'Eprevier

Bibliographic references: Isabelle Michot

Legal references: Anne de l'Eprevier

Table of Contents

T0. Summary	3
T1. Drug-related research.....	4
T2. Trends Not applicable for this workbook.	7
T3. New developments	7
T4. Additional information.....	15
T5. Sources and methodology	15

When responding to the workbook, please be certain to use the fields associated with each question, to allow the EMCDDA to identify the relevant parts.

T0. Summary

Please provide an abstract of this workbook (target: 500 words) under the following headings:

- **National profile**

In this section please summarise the most relevant information included in the following sections, namely:

- main research institutions involved in the research on drugs and relevant funding institutions;
- sources for the research at the national level;
- the role of drug-related research in the context of your national drug strategy,
- if applicable, the role of your national drug observatory in the implementation, execution or coordination of drug-related research activities in the country;
- national or regional scientific journals publishing drug related research and main drug-related research projects, ongoing or planned in the country (national and/or international)

In France, the Ministry of National Education, Higher Education and Research (MENESR) designs, coordinates and implements national policy on research and innovation. Two primary academic organisations, the National Centre for Scientific Research (CNRS) and the National Institute for Health and Medical Research (INSERM), cover a wide range of research areas, from neurosciences, through public health and clinical research to social sciences.

The French National Focal Point (OFDT) is the main body involved in drug-related data collection, studies and network development. It collaborates extensively with national and European drug-related research teams. Dissemination of data and research results are also part of its mandate, together with publishing in national and international scientific journals, and promoting the use of research results in practice and policymaking.

The Interministerial Mission for the Fight Against Drugs and Addictive Behaviours (MILDECA) is the central structure responsible to the Prime Minister for coordinating governmental action in the drugs field. Part of its role is to promote and fund drug-related research.

The list of research projects in France has been carried out within the framework of the ERANID project for the years 2010-2013 but has not been renewed since.

This workbook therefore lists the bibliographical references illustrating the productivity of French researchers in the field of addictions for 2016 and the first quarter of 2017.

T1. Drug-related research¹

The purpose of this section is to

- Describe the organization of drug-related research in your country
- Provide a summary of specific resources on drug-related research available in your country
- Update the available information already provided to the EMCDDA (workbook will be pre-filled).

Please structure your answers around the following questions.

T1.1 Please update the main drug-related research institutions/associations/bodies (public or private) in your country.

Please provide links, also to pages in English, if available.

- Centre National de la Recherche Scientifique (CNRS):
<http://www.cnrs.fr/index.php>
- Conservatoire National des Arts et Métiers (CNAM):
<http://the.cnam.eu/>
- École des Hautes Études en Santé Publique (EHESP):
<http://www.ehesp.fr/en/>
- École des Hautes Études en Sciences Sociales (EHESS):
<https://www.ehess.fr/fr/recherche>
- Fédération Nationale des Observatoires Régionaux de la Santé (FNORS):
<http://www.fnors.org/Fnors/Otrs/Coord.htm>
- Fondation Nationale des Sciences Politiques (FNSP):
<http://www.sciencespo.fr/en/home>
- Institut de Recherche en Santé Publique (GIS-IReSP):
<http://www.iresp.net/>
- Institut de Recherche pour le Développement (IRD):
<http://en.ird.fr/ird.fr>
- Institut National de la Recherche Agronomique (INRA):
<http://www.inra.fr/en>
- Institut National de la Santé et de la Recherche Médicale (INSERM):
<http://english.inserm.fr/>
- Observatoire Français des Drogues et des Toxicomanies (OFDT):
<http://en.ofdt.fr/>
- Santé publique France
Santé publique France is a new entity created in 2016 which brings together the (French) Institute for public health surveillance (InVS), the institution for preparing and responding to health emergencies (EPRUS) and the (French) National institute for prevention and health education (INPES)
<http://www.santepubliquefrance.fr/Infos/About-Sante-publique-France>

¹ "Drug-related research involves performing a study on illicit drugs, which may involve a range of disciplines, through the use of scientifically accepted methods and procedures, in order to test a hypothesis or answer a specific question." (EMCDDA, 2012 [Drug-related research in Europe: recent developments and future perspectives](#))

T1. 2 Please update the main institutions/associations/bodies/programmes (public or private) funding drug-related research in your country.

Please provide links, also to pages in English, if available.

- The Interministerial Mission for Combating Drugs and Addictive Behaviours (MILDECA: <http://www.droques.gouv.fr/page-simple/mildeca-interministerial-mission-combating-drugs-and-addictive-behaviours>) is the central structure responsible to the Prime Minister for coordinating governmental action in the drugs field. Part of his role is to promote and fund drug related research. In line with the last Plan 2013–17 (MILDT 2013), the MILDECA supported new annual [calls for proposals](#) and extended collaborations with research organizations/universities and with the ANR. It also promoted clinical research networks and dissemination initiatives towards the scientific community and policy makers. The Ministry of Research together with the MILDECA also supported the ERANID research network gathering major academic research centres (INSERM, CNRS) and agencies including the national focal point itself.
- The Ministry of National Education, Higher Education and Research (MENESR: <http://www.education.gouv.fr/>) designs, coordinates and implements national policy on research and innovation. A large scope of research areas ranging from neurosciences, through public health and clinical research to social sciences is mainly covered by two major academic operators: the National Centre for Scientific Research (CNRS) and the National Institute for Health and Medical Research (INSERM).
- The French Research Agency (*Agence Nationale de la Recherche* – ANR: <http://www.agence-nationale-recherche.fr/en/project-based-funding-to-advance-french-research/>) is in charge of programming national research and innovation. The agency establishes the thematic priorities of research and allocates the resources. Every year, the agency launches calls for tenders covering a large spectrum of scientific areas.
- The Ministry of Health (<http://www.sante.gouv.fr/>) funds, in specific years, clinical projects on addiction treatment in hospitals (under the programme “*Programme Hospitalier de Recherche Clinique*” - PHRC). It also funds studies on specific populations of drug users, interventions (prevention, treatment, harm reduction) or legal disposition.
- The National Research Agency on AIDS (*Agence Nationale de Recherche sur le Sida* – ANRS: <http://www.anrs.fr/>) and the Institute for Public Health Surveillance (*Institut de Veille Sanitaire* – InVS: <http://invs.santepubliquefrance.fr/en>) implement regular surveys and research projects on the links between injecting drug use and infectious diseases (mainly HIV and HCV).
- The French National Cancer Institute (*Institut national du cancer* – INCa: <http://en.e-cancer.fr/>) is the preeminent health and science agency in charge of cancer control in France, created in 2004. It reports to the ministries for Health and for Research. About half of its budget (€100 million) is allocated to research funding. Each year, the Institute organises more than fifteen competitive calls for proposals in the areas of research, public health, cancer care organisation and patient information.

NGOs and foundations (such as the *Fondation de France*) representing practitioners, users and companies (alcohol suppliers, tobacco industry and pharmaceutical laboratories) also regularly fund surveys and research project in these areas

T1. 3 Please update the list of the main national scientific journals where drug-related research is published in your country.
 Please provide links, also to pages in English, if available.

Name	Topic	Language	Abstract
Alcoologie et Addictologie http://www.alcoologie-et-addictologie.fr/	Treatment	French, English	English
Archives des Maladies Professionnelles et de l'Environnement http://www.sciencedirect.com/science/journal/17758785	Treatment	French	English
Toxicologie Analytique et Clinique http://www.sciencedirect.com/science/journal/23520078	Toxicology	French, English	English
Bulletin Épidémiologique Hebdomadaire http://invs.santepubliquefrance.fr/Publications-et-outils/BEH-Bulletin-epidemiologique-hebdomadaire	Epidemiology and public health	French	English
Le Courier des Addictions http://www.edimark.fr/courrier-addictions	Addiction all topics	French	French
Déviance et Société http://www.cairn-int.info/revue.php?ID_REVUE=E_DS	Sociology and political science	French	English
L'Encéphale http://www.sciencedirect.com/science/journal/00137006	Treatment	French	English
Médecine/sciences http://www.medecinesciences.org/	Health	French	French
Politix, revue des sciences sociales du politique http://www.cairn.info/revue-politix.htm	Human and social sciences	French	English
La Presse Médicale http://www.sciencedirect.com/science/journal/07554982	Health	French	French
Psychotropes, Revue internationale des toxicomanies et des addictions http://www.cairn.info/revue-psychotropes.htm	Treatment	French	English
Revue d'Épidémiologie et de Santé Publique http://www.journals.elsevier.com/revue-depidemiologie-et-de-sante-publique/	Epidemiology and public health	French, English	English
Revue Française des Affaires Sociales http://www.cairn.info/revue-francaise-des-affaires-sociales.htm	Human and social sciences	French	English
Revue Française de Sociologie http://www.cairn-int.info/revue.php?ID_REVUE=E_RFS	Sociology	English, French	English
Santé Publique http://www.sfsp.fr/lire-et-ecrire/la-revue-sante-publique/acceder-aux-resumes-et-aux-articles	Epidemiology and public health	French	English

Sciences Sociales et Santé http://www.jle.com/en/revues/sante_pub/sss/sommaire.md	Human and social sciences	French, English	English
Sociétés Contemporaines http://www.pressesdesciencesspo.fr/en/revues/societescontemporaines/	Sociology	French	English
Sociologie http://www.cairn-int.info/revue.php?ID_REVUE=E_SOCIO	Sociology	French	English
Thérapie https://www.journal-therapie.org/component/issues/?task=all&Itemid=121	Treatment	French, English	English

T1. 4 Please update the list of drug-related research relevant websites/resources you would like us to include in your research country profile.

Please provide links, also to pages in English, if available.

In addition to the websites of the main bodies and organisations that conduct and/or finance regularly or occasionally research on addictive behaviour (see T1.1.1 and T1.1.2), three references may be cited: the National Agency for the Quality Assessment of Health and Social Care Organizations and Services (ANESM: <http://www.anesm.sante.gouv.fr/>), the Research and Safety National Institute for the Prevention of Occupational Accidents and Diseases (INRS: <http://en.inrs.fr/>) and the National Agency for Medicines and Health Products Safety (ANSM: <http://ansm.sante.fr/>)

T2. Trends

Not applicable for this workbook.

T3. New developments

The purpose of this section is to provide information on any notable or topical developments observed in drug-related research in your country **since your last report**. T1 is used to establish the baseline of the topic in your country. Please focus on any new developments here. If information on recent notable developments have been included as part of the baseline information for your country, please make reference to that section here. It is not necessary to repeat the information.

Please structure your answers around the following question.

T3.1 Please update the list of the main drug-related, recent/on-going since your last report/studies/research projects in your country. Please provide links, also to pages in English, if available.

If possible, classify each study/research project under one of the following categories:

- (1) Basic biological, neurobiological and behavioural research (including aetiological and addictive behaviour research);
- (2) Population based and clinical epidemiology (including site surveys, ethnographic studies and acute toxicity studies);
- (3) Demand reduction (including prevention, treatment, harm reduction, reintegration and clinical treatment research);
- (4) Supply, supply reduction and crime;
- (5) Drug policy (including laws, economic issues and strategies);
- (6) Other topics.

If it is not possible to identify the main drug-related on-going studies/research projects in your country, please provide a list of the most relevant current bibliographic references

Bibliography 2016-1st quarter 2017

(1) Basic biological, neurobiological and behavioural research (including aetiological and addictive behaviour research)

- Abbara, C., Ferec, S., Leroux, G., Bretauudeau-Deguigne, M., Lelievre, B., Boels, D. et al. (2017). 2,5-dimethoxy-4-chloroamphetamine, a LSD-like designer drug: Clinical and analytical documentation of non-fatal exposure in five patients. Toxicologie Analytique et Clinique 29 (1) 82-89.
- Baudin, G., Godin, O., Lajnef, M., Aouizerate, B., Berna, F., Brunel, L. et al. (2016). Differential effects of childhood trauma and cannabis use disorders in patients suffering from schizophrenia. Schizophrenia Research 175 (1-3) 161-167.
- Boumrah, Y., Humbert, L., Phanithavong, M., Khimeche, K., Dahmani, A. and Allorge, D. (2016). In vitro characterization of potential CYP- and UGT-derived metabolites of the psychoactive drug 25B-NBOMe using LC-high resolution MS. Drug Testing and Analysis 8 (2) 248-256.
- Brieudes, V., Lardy-Fontan, S., Vaslin-Reimann, S., Budzinski, H. and Lalere, B. (2017). Development of a multi-residue method for scrutinizing psychotropic compounds in natural waters. Journal of Chromatography B 1047 160-172.
- Cohier, C., Mégarbane, B. and Roussel, O. (2017). Illicit drugs in oral fluid: Evaluation of two collection devices. Journal of Analytical Toxicology 41 (1) 71-76.
- Daveluy, A., Labadie, M., Titier, K., Courtois, A., Penouil, F., Castaing, N. et al. (2017). Poisoning by synthetic cathinones: Consumption behaviour and clinical description from 11 cases recorded by the Addictovigilance Centre of Bordeaux. Toxicologie Analytique et Clinique 29 (1) 34-40.
- Ducret, E., Puaud, M., Lacoste, J., Belin-Rauscent, A., Fouyssac, M., Dugast, E. et al. (2016). N-acetylcysteine facilitates self-imposed abstinence after escalation of cocaine intake. Biological Psychiatry 80 (3) 226-234.
- Dujourdy, L. and Besacier, F. (2017). A study of cannabis potency in France over a 25 years period (1992-2016). Forensic Science International 272 72-80.
- Dulaurent, S., El Balkhi, S., Poncelet, L., Gaulier, J.M., Marquet, P. and Saint-Marcoux, F. (2016). QuEChERS sample preparation prior to LC-MS/MS determination of opiates, amphetamines, and cocaine metabolites in whole blood. Analytical and Bioanalytical Chemistry 408 (5) 1467-1474.
- Fatseas, M., Hurmic, H., Serre, F., Debrabant, R., Daulouede, J.P., Denis, C. et al. (2016). Addiction severity pattern associated with adult and childhood Attention Deficit Hyperactivity Disorder (ADHD) in patients with addictions. Psychiatry Research 246 656-662.
- Froger-Colleaux, C. and Castagne, V. (2016). Effects of baclofen and raclopride on reinstatement of cocaine self-administration in the rat. European Journal of Pharmacology 777 147-155.

- Glangetas, C., Fois, G.R., Jalabert, M., Lecca, S., Valentinova, K., Meye, F.J. et al. (2015). Ventral subiculum stimulation promotes persistent hyperactivity of dopamine neurons and facilitates behavioral effects of cocaine. *Cell Reports* 13 (10) 2287-2296.
- Kintz, P., Mathiaux, F., Villeger, P. and Gaulier, J.M. (2016). Testing for drugs in exhaled breath collected with exabreath in a drug dependence population: Comparison with data obtained in urine after liquid chromatographic-tandem mass spectrometric analyses. *Therapeutic Drug Monitoring* 38 (1) 135-139.
- Konstenius, M., Leifman, A., van Emmerik-van Oortmerssen, K., van de Glind, G., Franck, J., Moggi, F. et al. (2017). Childhood trauma exposure in substance use disorder patients with and without ADHD. *Addictive Behaviors* 65 118-124.
- Ladroue, V., Dujourdy, L., Besacier, F. and Jame, P. (2017). IRMS to study a common cocaine cutting agent: phenacetin. *Drug Testing and Analysis* 9 (3) 479-484.
- Lagerberg, T.V., Icick, R., Andreassen, O.A., Ringen, P.A., Etain, B., Aas, M. et al. (2016). Cannabis use disorder is associated with greater illness severity in tobacco smoking patients with bipolar disorder. *Journal of Affective Disorders* 190 286-293.
- Marie-Claire, C., Crettol, S., Cagnard, N., Bloch, V., Mouly, S., Laplanche, J.L. et al. (2016). Variability of response to methadone: genome-wide DNA methylation analysis in two independent cohorts. *Epigenomics* 8 (2) 181-195.
- Meye, F.J., Soiza-Reilly, M., Smit, T., Diana, M.A., Schwarz, M.K. and Mameli, M. (2016). Shifted pallidal co-release of GABA and glutamate in habenula drives cocaine withdrawal and relapse. *Nature Neuroscience* 19 (8) 1019-1024.
- Nachon-Phanithavong, M., Wille, S., Richeval, C., Di Fazio, V., Samyn, N., Humbert, L. et al. (2017). New psychoactive substances in a drugged driving population: Preliminary results. *Toxicologie Analytique et Clinique* 29 (1) 41-46.
- Renard, J., Vitalis, T., Rame, M., Krebs, M.O., Lenkei, Z., Le Pen, G. et al. (2016). Chronic cannabinoid exposure during adolescence leads to long-term structural and functional changes in the prefrontal cortex. *European Neuropsychopharmacology* 26 (1) 55-64.
- Schwitzer, T., Robert, M.P., Giersch, A., Angioi-Duprez, K., Ingster-Moati, I., Pon-Monnier, A. et al. (2016). Transient retinal dysfunctions after acute cannabis use. *European Addiction Research* 22 (6) 287-291.
- Toledano, D. and Gisquet-Verrier, P. (2016). Repeated amphetamine injections alter behavior and induce a delayed behavioral sensitization modulated by reactivity to novelty: Similarities and differences with trauma consequences. *European Neuropsychopharmacology* 26 (3) 456-466.
- Turcant, A., Deguigne, M., Ferec, S., Bruneau, C., Leborgne, I., Lelievre, B. et al. (2017). A 6-year review of new psychoactive substances at the Centre antipoison Grand-Ouest d'Angers: Clinical and biological data. *Toxicologie Analytique et Clinique* 29 (1) 18-33.
- Vandaele, Y., Cantin, L., Serre, F., Vouillac-Mendoza, C. and Ahmed, S.H. (2016). Choosing under the influence: A drug-specific mechanism by which the setting controls drug choices in rats. *Neuropsychopharmacology* 41 (2) 646-657.

**(2) Population based and clinical epidemiology
(including site surveys, ethnographic studies and acute toxicity studies)**

- Ali, A., Carré, A., Hassler, C., Spilka, S., Vanier, A., Barry, C. et al. (2016). Risk factors for substances use and misuse among young people in France: What can we learn from the Substance Use Risk Profile Scale? Drug and Alcohol Dependence 163 84-91.
- Amaro, R. (2016). Taking chances for love? Reflections on love, risk, and harm reduction in a gay slamming subculture. Contemporary Drug Problems 43 (3) 216-227.
- Baggio, S., Spilka, S., Studer, J., Iglesias, K. and Gmel, G. (2016). Trajectories of drug use among French young people: Prototypical stages of involvement in illicit drug use. Journal of Substance Use 21 (5) 485-490.
- Bertrand, A., Boyle, H., Moreaux, J., Guillot, L., Chvetzoff, G., Charbonnel, J.F. et al. (2016). La consommation de tabac, alcool et cannabis chez les adolescents et jeunes adultes atteints de cancer a-t-elle un impact sur l'utilisation hospitalière des traitements antalgiques pendant la période de traitement ? [Does consumption of tobacco, alcohol, and cannabis in adolescents and young adults with cancer affect the use of analgesics during hospitalizations?]. Archives de Pédiatrie 23 (4) 353-359.
- Brouard, C., Pillonel, J., Sogni, P., Chollet, A., Lazarus, J.V., Pascal, X. et al. (2017). Hepatitis B virus in drug users in France: prevalence and vaccination history, ANRS-Coquelicot Survey 2011-2013. Epidemiology and Infection 145 (6) 1259-1269.
- Brugièr, F. (2016). Entre déviance et défense : la consommation de cannabis chez les ouvriers de l'assistance aéroportuaire [Deviance and defense: cannabis consumption among airport ground workers]. Nouvelle Revue de Psychosociologie (21) 21-32.
- Camus, J., Lhermite, A., Munoz Sastre, M.T., Sorum, P.C. and Mullet, E. (2016). Addictive substances, users' health, and the government's perceived responsibility: French people's perspective. Social Indicators Research 128 (3) 1011-1027.
- Chabrol, H., Beck, C. and Laconi, S. (2017). Contribution of health motive to cannabis use among high-school students. Addictive Behaviors 64 54-56.
- Chau, K., Kabuth, B., Causin-Brice, O., Delacour, Y., Richoux-Picard, C., Verdin, M. et al. (2016). Associations between school difficulties and health-related problems and risky behaviours in early adolescence: A cross-sectional study in middle-school adolescents in France. Psychiatry Research 244 1-9.
- Daveluy, A., Frauger, E., Peyrière, H., Moracchini, C., Haramburu, F. and Micallef, J. (2017). Which psychoactive substances are used by patients seen in the healthcare system in French overseas territories? Results of the OPPIDUM survey. Fundamental and Clinical Pharmacology 31 (1) 126-131.
- Daveluy, A., Géniaux, H., Eiden, C., Boucher, A., Chenaf, C., Deheul, S. et al. (2016). Illicit drugs or medicines taken by parachuting. Fundamental and Clinical Pharmacology 30 (2) 185-190.
- Delorme, J., Chenaf, C., Kabore, J.-L., Pereira, B., Mulliez, A., Tremey, A. et al. (2016). Incidence of high dosage buprenorphine and methadone shopping behavior in a

retrospective cohort of opioid-maintained patients in France. Drug and Alcohol Dependence 162 99-106.

Denis, C., Fatséas, M., Beltran, V., Serre, F., Alexandre, J.-M., Debrabant, R. et al. (2016). Usefulness and validity of the modified Addiction Severity Index: A focus on alcohol, drugs, tobacco, and gambling. Substance Abuse 37 (1) 168-175.

Fort, E., Lassiege, T. and Bergeret, A. (2016). Prevalence of cannabis and cocaine consumption in French fishermen in South Atlantic region in 2012-2013 and its policy consequences. International Maritime Health 67 (2) 88-96.

Frauger, E., Amaslidou, D., Spadari, M., Allaria-Lapierre, V., Braunstein, D., Sciortino, V. et al. (2016). Patterns of methylphenidate use and assessment of its abuse among the general population and individuals with drug dependence. European Addiction Research 22 (3) 119-126.

Frost, F. and Lack, P. (2016). Addiction et prostitution à Lyon en 2015 : état des lieux [Grand Prix en addictologie - 2e lauréat] [Addiction and prostitution in Lyon in 2015: an update]. Le Courrier des Addictions 18 (4) 30-33.

Janssen, E. (2017). Estimating the number of heroin users in metropolitan France using treatment centers data: an exploratory analysis. Substance Use and Misuse 52 (5) 683-687.

Karsinti, E., Fortias, M., Dupuy, G., Ksouda, K., Laqueille, X., Simonpoli, A.M. et al. (2016). Anxiety disorders are associated with early onset of heroin use and rapid transition to dependence in methadone maintained patients. Psychiatry Research 245 423-426.

Kernisant, M., Delorme, J., Kabore, J.-L., Brousse, G., Laporte, C., Zenut, M. et al. (2016). Diminution de la prévalence du docteur shopping de la buprénorphine entre 2004 et 2014 en France [Trend in buprenorphine and methadone shopping behavior in France from 2004 to 2014]. La Presse Médicale 45 (12 Pt 1) e369-e375.

Kindelberger, C., Acier, D., Chevalier, C. and Guibert, E. (2016). L'enjeu de la subjectivité des adolescents face aux mesures de prévention de l'alcool et du tabac. Drogués, santé et société 14 (2) 1-19.

Laurin, A. and Marinescu, M. (2017). Enquête sur la consommation de MDMA (ecstasy) dans la population homosexuelle masculine française en 2016 : un retour en force [Survey on the consumption of MDMA (ecstasy) in the French male homosexual population in 2016: a strong comeback]. L'Information Psychiatrique 93 (2) 151-157.

Legleye, S., Eslami, A. and Bougeard, S. (2017). Assessing the structure of the CAST (Cannabis Abuse Screening Test) in 13 European countries using multigroup analyses. International Journal of Methods in Psychiatric Research 26 (1) e1552.

Legleye, S., Khlat, M., Mayet, A., Beck, F., Falissard, B., Chau, N. et al. (2016). From cannabis initiation to daily use: educational inequalities in consumption behaviours over three generations in France. Addiction 111 (10) 1856-1866.

Leon, L., Des Jarlais, D., Jauffret-Roustide, M. and Le Strat, Y. (2016). Update on respondent-driven sampling: Theory and practical considerations for studies of persons who inject drugs. Methodological Innovations 9.

- Léon, L., Kasereka, S., Barin, F., Larsen, C., Weill-Barillet, L., Pascal, X. et al. (2017). Age-and time-dependent prevalence and incidence of hepatitis C virus infection in drug users in France, 2004-2011: model-based estimation from two national cross-sectional serosurveys. *Epidemiology and Infection* 145 (5) 895-907.
- Marcellin, F., Lions, C., Rosenthal, E., Roux, P., Sogni, P., Wittkop, L. et al. (2017). No significant effect of cannabis use on the count and percentage of circulating CD4 T-cells in HIV-HCV co-infected patients (ANRS CO13-HEPAVIH French cohort). *Drug and Alcohol Review* 36 (2) 227-238.
- Micallef, J. (2016). Les 25 ans des Centres d'évaluation et d'information sur la pharmacodépendance-addictovigilance [Twenty-five years of the French Addictovigilance Network (FAN)]. *Thérapie* 71 (4) 375-378.
- Pacoricona Alfaro, D.L., Ehlinger, V., Spilka, S., Ross, J., Sentenac, M. and Godeau, E. (2017). Alcohol, tobacco and cannabis use: Do students with mild-intellectual disability mimic students in the general population? *Research in Developmental Disabilities* 63 118-131.
- Pacoricona Alfaro, D.L., Santos, T., Gaspar De Matos, M., Ehlinger, V., Spilka, S., Sentenac, M. et al. (2016). Expérimentation du cannabis chez des élèves d'ULIS avec déficience cognitive [Grand Prix en addictologie : 1er lauréat] [Cannabis experimentation among students with cognitive disorders in special units (ULIS) in mainstream schools]. *Le Courrier des Addictions* 18 (3) 11-14.
- Passolunghi, J. and Varescon, I. (2016). Etude du coping et de la personnalité chez des consommateurs à risque de cannabis en fonction du genre [Coping and personality study among cannabis users at risk of addiction according to the gender]. *Alcoologie et Addictologie* 38 (3) 199-205.
- Phan, O., Obradovic, I. and Har, A. (2017). Abus et dépendance au cannabis à l'adolescence : diagnostic [Consumption of cannabis in adolescents]. *Archives de Pédiatrie* 24 (1) 91-95.
- Sahed, I. (2016). Consommer la cigarette, le cannabis à l'adolescence : quête identitaire et vulnérabilité dans le parcours de consommation [Cigarettes and cannabis during adolescence: the search for identity and vulnerability in the course of consumption]. *Drogués, santé et société* 14 (2) 1-23.
- Simmat-Durand, L., Vellut, N., Jauffret-Roustide, M., Lejeune, C., Michel, L., Mougel, S. et al. (2016). Vies de couple chez des personnes en sortie des addictions [Couple live and addiction recovery]. *Alcoologie et Addictologie* 38 (1) 47-56.
- Spadari, M., Batisse, A., Guerlais, M., Boucher, A., Daveluy, A., Le Boisselier, R. et al. (2016). Les aspects actuels de l'usage de l'ecstasy/MDMA en France [The current aspects of the use of ecstasy/MDMA in France]. *Thérapie* 71 (6) 553-562.
- Weill-Barillet, L., Pillonel, J., Semaille, C., Léon, L., Le Strat, Y., Pascal, X. et al. (2016). Hepatitis C virus and HIV seroprevalences, sociodemographic characteristics, behaviors and access to syringes among drug users, a comparison of geographical areas in France, ANRS-Coquelicot 2011 survey. *Revue d'Epidémiologie et de Santé Publique* 64 (4) 301-312.

(3) Demand reduction (including prevention, treatment, harm reduction, reintegration and clinical treatment research)

- Azocar, B. (2016). Errance urbaine, scènes de consommation de drogues et réduction des risques : les défis pour la ville et les politiques publiques aujourd'hui. Mouvements (86) 112-127.
- Binder, P., Messaadi, N., Perault-Pochat, M.C., Gagey, S., Brabant, Y. and Ingrand, P. (2016). Preference for brand-name buprenorphine is related to severity of addiction among outpatients in opioid maintenance treatment. Journal of Addictive Diseases 35 (2) 101-108.
- Carrieri, P., Vilotitch, A., Nordmann, S., Lions, C., Michel, L., Mora, M. et al. (2017). Decrease in self-reported offences and incarceration rates during methadone treatment: A comparison between patients switching from buprenorphine to methadone and maintenance treatment incident users (ANRS-Methaville trial). International Journal of Drug Policy 39 86-91.
- Etcheverrigaray, F., Béaud, C., Feuillet, F., Grall-Bronnec, M., Jollet, P. and Victorri-Vigneau, C. (2016). Pharmacists' different profiles characterization about opioid substitution treatments. Thérapie 71 (4) 379-387.
- Gentile, G., Frauger, E., Giocanti, A., Pauly, V., Orleans, V., Amaslidou, D. et al. (2016). Caractéristiques des sujets sous traitement de substitution vus en médecine générale d'après l'enquête nationale OPEMA 2013 [Characteristics of subjects under opiate maintenance treatment in primary care using the OPEMA data 2013]. Thérapie 71 (3) 307-313.
- Hoareau, E. (2016). Stigmatisation de l'usager de substances illicites et enjeux de l'entretien individuel [Stigmatisation of user's illicit drugs and issues related to personal interview]. Nouvelle Revue de Psychosociologie (21) 33-48.
- Jacomet, C., Guyot-Lenat, A., Bonny, C., Henquell, C., Rude, M., Dydymski, S. et al. (2016). Addressing the challenges of chronic viral infections and addiction in prisons: the PRODEPIST study. European Journal of Public Health 26 (1) 122-128.
- Laporte, C., Vaillant-Roussel, H., Pereira, B., Blanc, O., Eschalier, B., Kinouani, S. et al. (2017). Cannabis and young users - A brief intervention to reduce their consumption (CANABIC): A cluster randomized controlled trial in primary care. Annals of Family Medicine 15 (2) 131-139.
- Lascaux, M., Ionescu, S. and Phan, O. (2016). Effectiveness of formalised therapy for adolescents with cannabis dependence: A randomised trial. Drugs: Education, Prevention and Policy 23 (5) 404-409.
- Lucet, C., Rousselet, A.V., Chassagnoux, A., Laqueille, X. and Dervaux, A. (2016). Applications pour smartphone : quel intérêt en addictologie ? [Smartphone apps for substance use disorders]. Le Courrier des Addictions 18 (2) 23-25.
- Marillier, M., Batisse, A., Richeval, C., Labrouve, V., Martinez, M., Allorge, D. et al. (2017). CHEMSEX, NPS & risk reduction management: Preliminary results of a pilot study. Toxicologie Analytique et Clinique 29 (1) 47-56.

- Rica, M., Principe, A., Le Reste, J.Y. and Guillou Landreat, M. (2017). Autoévaluation des attitudes soignantes aux urgences face aux conduites addictives. Étude exploratoire [Substance related disorder in emergency services: Which attitudes?]. L'Encéphale 43 (1) 10-14.
- Roux, P., Lions, C., Vilotitch, A., Michel, L., Mora, M., Maradan, G. et al. (2016). Correlates of cocaine use during methadone treatment: implications for screening and clinical management (ANRS Methaville study). Harm Reduction Journal 13 (12) 1-10.
- Roux, P., Rojas Castro, D., Ndiaye, K., Debrus, M., Protopopescu, C., Le Gall, J.-M. et al. (2016). Increased uptake of HCV testing through a community-based educational intervention in difficult-to-reach people who inject drugs: Results from the ANRS-AERLI Study. PLoS One 11 (6) e0157062.
- Stamou, V., Chatzoudi, T., Stamou, L., Romo, L. and Graziani, P. (2016). Music-assisted systematic desensitization for the reduction of craving in response to drug-conditioned cues: A pilot study. Arts in Psychotherapy 51 36-45.
- Victorri-Vigneau, C., Rousselet, M., Grall-Bronnec, M., Bouquie, R., Belliot, E., Guerlais, M. et al. (2016). Use of psychotropic drug urine test strips in opiate maintenance therapy: A clinical assessment of its advantages. Substance Abuse 37 (4) 584-590.
- Vorspan, F. (2016). Héroïne médicalisée : l'expérience des programmes de substitution par l'héroïne à Amsterdam [Heroin-assisted treatment for opioid dependence: the Amsterdam experience]. Le Courier des Addictions 18 (2) 12-14.
- (4) Supply, supply reduction and crime**
- Belackova, V., Pazitny, M., Drapalova, E., Martinez, M., van der Gouwe, D., Begley, E. et al. (2017). Assessing the impact of laws controlling the online availability of 25I-NBOMe, AH-7921, MDPV and MXE - outcomes of a semi-automated e-shop monitoring. Drugs: Education, Prevention and Policy 10.1080/09687637.2016.1275526 20170118.
- Boulat, T., Cadet-Taïrou, A., Gandilhon, M., Nefau, T. and Lahaie, E. (2016). Auto-culture d'herbe de cannabis en France : cultivateurs et production à travers l'enquête SINTES cannabis 2013 [Home-grown cannabis in France: growers and cannabis production through the SINTES study about cannabis (2013)]. Le Courier des Addictions 18 (4) 16-19.
- Chouvy, P.A. (2016). L'opium dans la mondialisation : le cas du Triangle d'Or [Opium in the globalization process: The Golden Triangle]. Drogués, santé et société 15 (1) 19-34.
- Croci, F. (2016). Coca, une feuille sacrée. Mouvements (86) 138-141.
- Gandilhon, M. (2016). La cocaïne, une marchandise mondialisée [Cocaine: a world-wide commodity]. Drogués, santé et société 15 (1) 35-49.
- Lahaie, E., Janssen, E. and Cadet-Tairou, A. (2016). Determinants of heroin retail prices in metropolitan France: Discounts, purity and local markets. Drug and Alcohol Review 35 (5) 597-604.
- Richeval, C., Humbert, L., Nefau, T., Martinez, M., Allorge, D. and Gaulier, J.-M. (2017). The comeback of Ecstasy: New designs and increased MDMA content. Toxicologie Analytique et Clinique 29 (1) 144-145.

(5) Drug policy (including laws, economic issues and strategies)

- Ben Lakhdar, C., Vaillant, N.G. and Wolff, F.-C. (2016). Price elasticity of demand for cannabis: does potency matter? Addiction Research and Theory 24 (4) 300-312.
- Bisiou, Y. (2016). Deux siècles de politiques publiques des drogues. Psychotropes 22 (2) 25-39.
- Grajales, J. (2016). Faire la « guerre contre la drogue ». Relations asymétriques et adoption d'un régime répressif [Making the "War on Drugs": Asymmetric relations and the adoption of a repressive regime]. Cultures et Conflits (101) 181-198.
- Kopp, P. and Ogorodnik, M. (2016). The social cost of drugs in France in 2010. European Journal of Health Economics 10.1007/s10198-016-0835-9 20161008.
- Spach, M. (2016). Intégrer les bénéfices dans l'analyse économique de la drogue : Une nouvelle arme de politique publique de prévention primaire [Integrating benefits in the economic analysis of drug: A new arm for drug prevention policies]. Revue d'Economie Politique 126 (4) 569-591.

(6) Other topics

- Trouessin, M. (2016). Conceptualiser l'addiction : entre l'écueil du mythe et celui de la maladie comme les autres. M@gm@ 14 (1) 1-16.

T4. Additional information

The purpose of this section is to provide additional information important to drug-related research in your country that has not been provided elsewhere.

Please structure your answers around the following questions.

T4.1 Optional. Please describe any additional important sources of information, specific studies or information on drug-related research priorities. Where possible, please provide references and/or links.

T4.2 Optional. Please describe any other important aspect of drug-related research that has not been covered in the specific questions above. This may be additional information, a reference to an organisation in your country that monitors national drug-related research, the availability of a bibliography of recent studies or new areas of specific importance for your country.

T5. Sources and methodology

The purpose of this section is to collect sources and bibliography for the information provided above, including brief descriptions of studies and their methodology where appropriate.

Please structure your answers around the following questions.

T5.1 Please list notable sources for the information provided above.