

Potential health risks identified in the scientific literature include addiction, adverse effects on memory, cognition, learning, motivation, graduation rates, IQ, schizophrenia, slower reaction times, impaired attention, driving impairment, cyclic vomiting, infertility, chronic bronchitis, and bullous lung disease resulting in collapsed lung. In addition, potential health risks for pregnant women and their babies include heart defects in babies, stillbirth, impaired cognitive function and attention in the child, increased risks of addiction in the child, decreased academic ability and increased depressive symptoms in the child. But don't take our word for it. It is very easy to check the most reputable summaries of the scientific literature:

SUMMARIES OF POTENTIAL HEALTH RISKS- There are a number of excellent summaries of marijuana research:

- 1) World Health Organization Study. See pg. 15-17, 23-26, 40-41.
http://who.int/substance_abuse/publications/msb_cannabis_report.pdf
- 2) Colorado Department of Public Health and the Environment – Monitoring Health Concerns Related to Marijuana in Colo: 2016 See pages 71, 93, 97, 99-102, 115, 123, 133, 151, 162, 172, 186, 201, 216.
<https://www.colorado.gov/pacific/cdphe/marijuana-health-report/>
- 3) Professor B K Madras Harvard Medical School Professor of Psychobiology, Department of Psychiatry, Update on Cannabis and its medical use. See pp.9-14, 26
[.https://www.who.int/medicines/access/controlled-substances/6_2_cannabis_update.pdf](https://www.who.int/medicines/access/controlled-substances/6_2_cannabis_update.pdf)
- 4) Professor BK Madras, Marijuana and Opioids – Risks for the Unborn, the Born pp. 17-60
https://drive.google.com/file/d/0B_Mfuul8fEJLbEhneEM5bXowTEU/edit
- 5) NIDA - NIH -- <https://www.drugabuse.gov/publications/research-reports/marijuana/letter-director>
- 6) SAM -- <https://learnaboutsam.org/science/>

Obviously there are many eminent research scientists with expertise on marijuana issues. Possible local contacts include:

Deepak Cyril D'Souza, M.D., Professor of Psychiatry, Yale University School of Medicine; Director , Schizophrenia Neuropharmacology Research Group at Yale, VA, Phone: 203 932-5711 ext. 2594, e-mail: deepak.dsouza@yale.edu.

Dr. Yifrah Kaminer, ATOM Study, Univ. of Connecticut Health Center, School of Medicine, 860 679-4344/8478

National –

Dr. Nora Volkow, Director of NIDA, National Institutes of Health, media@nida.nih.gov

Professor B K Madras Harvard Medical School Professor of Psychobiology, Department of Psychiatry; McLean Hospital Title: Psychobiologist, Substance Use Disorders Division, [Division of Basic Neuroscience](#); Director, Laboratory of Addiction Neurobiology; 617.855.2406, bmadras@partners.org,

FYI – Here are two videos that may be of particular interest to you by Professor Madras and Dr. Volkow:

<https://www.youtube.com/watch?v=CSp1yuNP3Fo> Prof Bertha Madras

<https://www.youtube.com/watch?v=RSDnLSU3owc> Dr. Nora Volkow

I am one of the Guilford DAY members and have compiled a lot of information on the medical and scientific risks of teen marijuana use, as well as data from the states that have legalized cannabis. Lisa Ott said you are very interested in this issue. I have been surprised at how little coverage the national news media gives to the risks for teens. There might be a lot of interest if you dig into some of the science. I'm sure the following is too much to digest, but it never hurts to have access to good info. Regards, Bo Huhn

(1) The first attachment below contains a list of publications that summarize marijuana research and reference the various scientific articles. There are links to these publications. I also listed several eminent research scientists and a couple of key you tube videos.

(2) [U.S. Surgeon General's Advisory: Marijuana Use and the Developing Brain](#)



The Surgeon General Advisory is a brief document with a lot of good information on the impact of cannabis on teens. Cites key sources in the footnotes.

(3) Seven annual reports have been prepared and published by the Rocky Mountain High Intensity Drug Trafficking Area on the impact of legalization of cannabis on Colorado. The earlier reports

were several hundred pages each, and the more recent ones are shorter. The reports contain a ton of info, including a segment that lists many scientific studies and reports. This is the link to the 2020 report. <https://www.thenmi.org/wp-content/uploads/2020/10/RMHIDTA-Marijuana-Report-2020-2.pdf>

(4) The NIH and the National Institute on Drug Abuse have a ton of info and data.

(5) SAM (Smart Approaches to Marijuana) Their website has another ton of scientific research and data. learnaboutsam.org

(6) Series of reports prepared by the Colorado Dept of Revenue on Market size and Demand for Marijuana in Colorado. It takes some work to compare data from different years, but these documents show that adult cannabis use and addiction (heavy users) in Colo. doubled between 2014 and 2019. They don't include data on teen use. <https://media.focusonthefamily.com/fotf/pdf/channels/social-issues/market-size-and-demand-study-july92014.pdf>