**Reduced Nicotine Rule** 

## A terrible idea (...to be pursued relentlessly)

Clive Bates Counterfactual

> FDLI meeting 26 October2017 Washington DC



1. A prohibition





- 1. A prohibition
- 2. Unpredictable response

- Stockpile cigarettes or trade with stockpilers
- Import conventional cigarettes via internet
- Switch to other combustible products: hand rolling tobacco, pipes, cigars, hookahs, shisha
- Contraband or counterfeit conventional cigs
- Counterfeit low-nicotine with high nicotine
- Take advantage of product innovation
- Take advantage of process innovation
- Switch to ANDS non-combustibles
- Add nicotine liquid to low-nicotine cigarettes
- Other substance use e.g. marijuana
- Alternative risk behaviours
- Fraudulent solutions and quack remedies
- Some mixture of above including dual use
- Quit smoking, tobacco and nicotine use
- Really ... ? [
  - Use very low nicotine cigarettes?



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- 2. Unpredictable response
- 3. Little relevant research

	The NEW ENGLAND JOURNAL of MEDICINE
	SPECIAL ARTICLE
	Randomized Trial of Reduced-Nicotine Standards for Cigarettes
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	ABSTRACT
From the Departments of Psychology (E.C.D., R.L.D., S.S.D., T.L.) and Medicine (H.T.), University Of Histburgh, Wittsburgh; the Center for Alcohol and Addiction Sud- ies, Brown University, Phytolene, R. (B.M.T.), the Division of Biocatastics, School of Pub- ies, Brown University, Molecular Biology, and Biophysics (E.E.M.) and Psychiatry (D.K.H. of Biocharstein, Molecular Biology, and Biophysics (E.E.M.) and Psychiatry (D.K.H. Jouries vijo of Minnesota, Minneapolis, and the University of Minnesota Medical School, University of Minnesota Medical School, University of Minnesota Medical School, University of Minnesota Medical School, University of Minnesota, Minneapolis, and the University of Minnesota, Minneapolis, and the University of Minnesota, Minneapolis, and Therapeutic Sciences, University of California, San Francisco, San Francisco (N.L.B.); the Department of Psychiatry and Behavioral Sciences, Johns Hopkins Uni- versity School of Medicine, Baltimere (R.G.X., M.L.S.), and National Institute on Drug Abuse, Bethesda (I.C.M.). Ander- son Cance Center, Houston (P.M.C., J.D.R.); the Department of Health Outcomes and Behavion, Moffitt Cancer Center, Tampa, FL (J.D.); the Department of Appartment of Psychiatry and Behavional Sciences, Dube University School of Medicine, Baptriment of Psychiatry, And Behavional Sciences, Dube University Science (M.G.W., Macharano, E.(T.M.); and the Department of Psychiatry, Pereliman School of Medicine, and Abaramon Cancer Center Center, Center Center	The Food and Drug Administration can set standards that reduce the nicotine content of cigarettes. METHODS We conducted a double-blind, parallel, randomized clinical trial between June 2013 and July 2014 at 10 sites. Bligbiblity criteria included an age of 18 years or older, smoking of five or more cigarettes per day, and no current interest in quitting smoking. Participants were randomly assigned to smoke for 6 weeks either their usual brand of cigarettes or one of six types of investigational cigarettes, provided free. The investigational cigarettes har incortine content ranging from 15.8 mg per gram of tobacco (typical of commercial brands) to 0.4 mg per gram. The primary outcome was the number of cigarettes smoked per day during week 6. ESUITS A total of 840 participants underwent randomization, and 780 completed the 6-week study. During week 6, the average number of cigarettes, smoked per day was lower for participants randomly assigned to their usual brand or to cigarettes containing 2.4, 1.3, or 0.4 mg of nicotine per gram of tobacco (16.5, 16.3, and 14.9 cigarettes, respectively) than for participants randomly assigned to their usual brand or to cigarettes containing 15.8 mg per gram (2.2 and 21.3 cigarettes, respectively) Pe0.001). Participants assigned to cigarettes, with 5.2 mg per gram smoked an average of 20.8 cigarettes per day, which did not differ significantly from the average number among those who smoked control cigarettes. Cigarettes with lower nicotine content, as compared with control cigarettes. Cigarettes with lower nicotine content, as compared with control cigarettes. Cigarettes with lower nicotine content, as compared with control cigarettes.
University of Pennsylvania, Philadelphia (A.A.S.). Address reprint requests to Dr. Don- ny at the Department of Psychology, Univer- sity of Pittsburgh, 210 S. Bouquet St., Pitts- burgh, PA 15260, or at edonny@pitt.edu.	carbon monoxide level or total puff volume, suggesting minimal compensation. Adverse events were generally mild and similar among groups.
N Engl J Med 2015;373:1340-9. DOI: 10.1056/NEJMsa1502403 Copyright © 2015 Massachusetts Medical Society.	In this 6-week study, reduced-nicotine cigarettes versus standard-nicotine cigarettes reduced nicotine exposure and dependence and the number of cigarettes smoked. (Funded by the National Institute on Drug Abuse and the Food and Drug Adminis- tration Center for Tobacco Products; ClinicalTrials.gov number, NCT01681875.)
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- 4. Perverse consequences





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- 5. Poor mandate

Limitation on Power Granted to the Food and Drug Administration

Because of the importance of a decision of the Secretary to issue a regulation

- A. banning all cigarettes, all smokeless tobacco products, all little cigars, all cigars other than little cigars, all pipe tobacco, or all roll-your-own tobacco products; or
- B. requiring the reduction of nicotine yields of a tobacco product to zero,

the Secretary is prohibited from taking such actions under this Act

U.S. Tobacco Control Act §907.d.3



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- 5. Poor mandate
- 6. Brutal politics

#### Voters, consumers, specific groups Supply chain, affected businesses







Political alignments, states capitols

Law enforcement, criminal justice

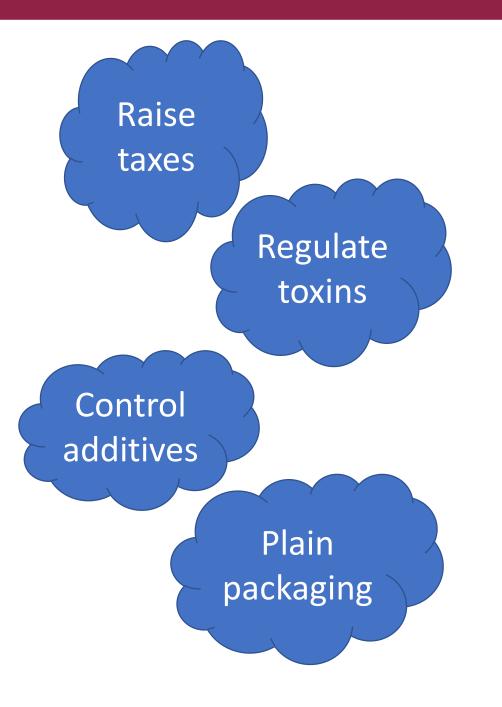








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- 4. Perverse consequences
- 5. Poor mandate
- 6. Brutal politics
- 7. Superior alternatives





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1. Alternatives essential



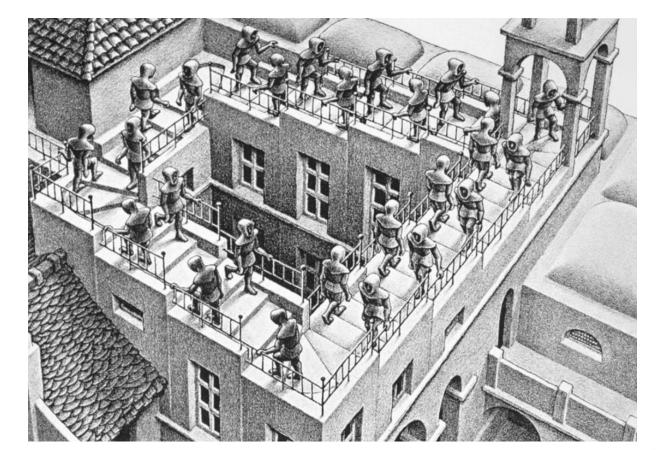


- 1. Alternatives essential
- 2. Proportionate regulation





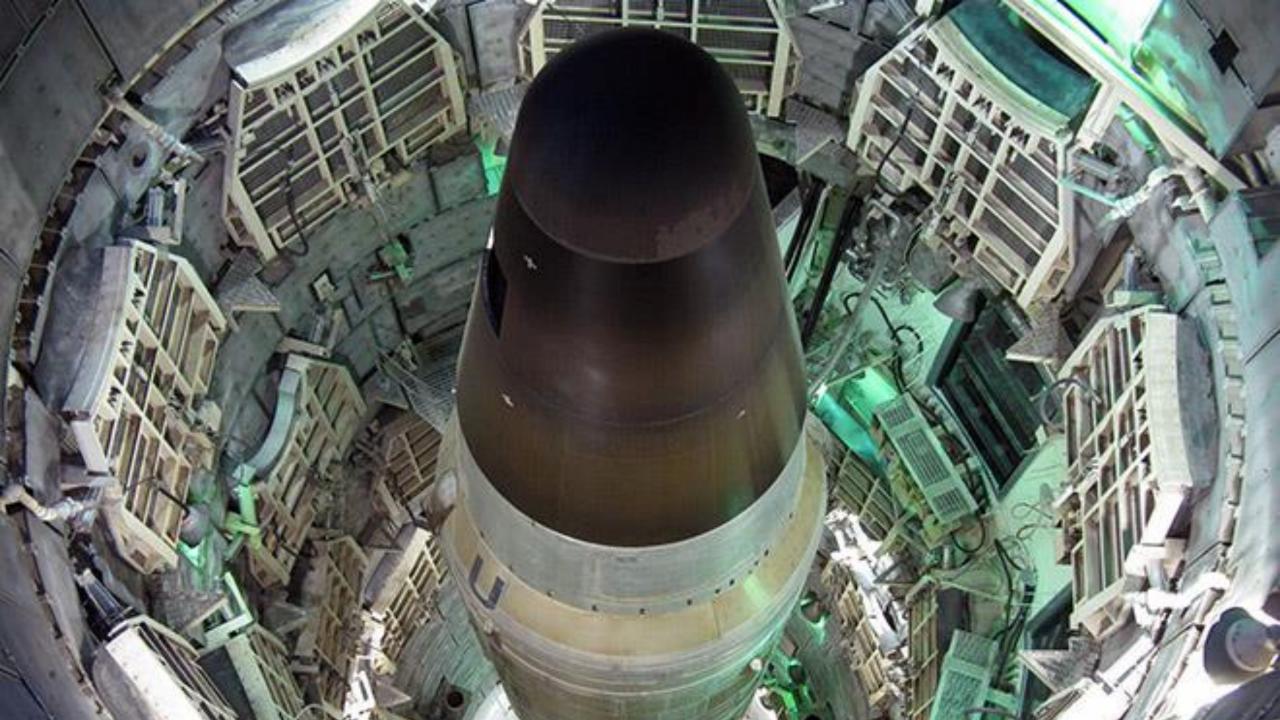
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- 2. Proportionate regulation
- 3. Coercion paradox





- 1. Alternatives essential
- 2. Proportionate regulation
- 3. Coercion paradox
- 4. An 'agency threat'





# Rules Weapons don't have to be used to be useful





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