

29/10/14  
K. Chan

June 16, 2014 (updated)

Dr. Margaret Chan  
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Dear Dr. Chan,

We, the 129 signatories to this letter, are writing to express our support for WHO's evidence-based approach to determine the best way forward for public health to respond to Electronic Nicotine Delivery Systems (ENDS), as expressed in WHO's June 3, 2014 statement.<sup>1</sup>

Recently, media attention was focused on a statement by a group of "specialists in nicotine science and public health policy."<sup>2</sup> Unfortunately, the statement makes several assertions about ENDS' marketing, emissions, harms, and use that are either contradicted by available evidence or for which no evidence is currently available. (Indeed, the statement does not cite a single scientific study.)

The statement also included several policy recommendations, including effectively exempting ENDS from FCTC Articles 8 and 13 and ignoring Article 5.3.

It is fundamental that WHO and other public health authorities not buy into the tobacco industry's well-documented strategy of presenting itself as a "partner."<sup>3</sup> If the tobacco industry was committed to reducing the harm caused by tobacco use, it would announce target dates to stop manufacturing, marketing and selling its "more harmful" products rather than simply adding e-cigarettes to its product mix and rapidly taking over the e-cigarette market.<sup>4-5</sup> It would also immediately desist from its aggressive opposition to tobacco control policies such as tax increases, graphic health warnings and plain packaging.

By moving into the e-cigarette market, the tobacco industry is only maintaining its predatory practices and increasing profits. As stated in the guidelines for Article 5.3 of the WHO FCTC, there is a "fundamental and irreconcilable conflict of interest" between the tobacco industry's interests and public health's interests."<sup>6</sup>

Public health embraced cigarette filters and "low tar" cigarettes as harm reduction strategies before manufacturers provided evidence and at a time when the manufacturers were well aware that these technologies did not actually reduce harm but were designed to promote cigarette sales by reassuring a concerned public that the new products were safer.<sup>7-8</sup> The negative consequences of these acts remain in cancer and heart disease hospital wards throughout the world. Ignoring the link between ENDS and the tobacco industry is overlooking

the WHO FCTC Parties' legal obligation to protect government policies against tobacco industry interference.

The aggressive marketing and promotion of e-cigarettes to youth is well-documented<sup>9-10-11-12</sup> and evidence from the US<sup>13-14</sup> and Korea<sup>15</sup> shows rapid growth in youth e-cigarette use, including disturbing rates among youth who have never smoked a cigarette. One e-cigarette manufacturer warns parents that "kids may be particularly vulnerable" to the flavoring in its products.<sup>16</sup>

Manufacturers of ENDS are making a range of false and unproven claims,<sup>17-18-19</sup> misleading the public into thinking these products are harmless (they are not) and effective cessation aids (unknown). Most ENDS users are "dual users" who continue to smoke cigarettes.<sup>20</sup> Reviews of evidence about reducing smoking (instead of quitting) show that dual users are unlikely to see any health benefit in terms of cardiovascular disease.<sup>21-22</sup> Population studies of all smokers consistently show that smokers who use ENDS are *less* likely to stop smoking.<sup>23-24-25-26-27-28</sup>

The evidence is insufficient to accept the assertions that ENDS are effective as a smoking cessation device. There is a single randomized controlled trial of early generation e-cigarettes that found no difference between ENDS delivered directly to experimental subjects compared with mailing subjects a voucher that they could take to a pharmacy to obtain nicotine replacement therapy.<sup>29</sup> One population-based cross-sectional study found that highly motivated smokers using ENDS to quit were less likely to be still smoking than smokers making unassisted quit attempts with over-the-counter NRT.<sup>30</sup> However, this cross-sectional study<sup>31</sup> showed a point prevalence of 80% of smokers using ENDS in a cessation attempt having failed, compared to 84.6% of those who tried to quit unassisted. Significantly, the former study is biased against conventional therapy (because of the additional barrier to getting the NRT) and the latter did not report a comparison with well-supervised approved cessation therapies.

There is already good evidence that ENDS emissions release several toxic substances into the environment that cause harm to health. These substances include ultrafine particles, propylene glycol, tobacco-specific nitrosamines; nicotine; volatile organic compounds (VOCs), and carcinogens and reproductive toxins, including benzene, lead, nickel, and others.<sup>32-33-34-35-36-37-38-39-40</sup> Proposals to allow ENDS use in indoor spaces like workplaces, bars and transportation could see significant exposure to these substances.

It is important to note that nicotine itself is not harmless, which is why strict regulatory measures are in place to control the marketing of Nicotine Replacement Therapy for smoking cessation. The 2014 U.S. Surgeon General Report includes an extensive review of acute and long-term effects of nicotine exposure. It concludes, among other things, that nicotine exposure has adverse effects on fetal growth and development, including fetal brain development.<sup>41</sup> The manufacturer of one electronic cigarette in the U.S. acknowledges in its product labeling that nicotine is not harmless.<sup>42</sup> Acute poisoning from nicotine is well established, and there has been an increase in documented cases of children being accidentally poisoned by ingesting the liquid content of ENDS cartridges.<sup>43</sup>

Remaining unregulated, risk profiles and potential harms these products may pose to the public are unknown. The absence of detailed evidence on adverse health effects is not evidence that no effect exists. Rather, insufficient time has elapsed to determine what effects exist and their magnitude on a population level.

Manufacturers have not secured regulatory approval for claims that ENDS are effective products for smoking cessation or harm reduction from regulatory authorities in any country. From a population perspective, it is important to know what new risks a consumer product may introduce in the market.

We applaud WHO's commitment to listen to the experience from Member States that have successfully implemented tobacco control and regulated sales, marketing and use of ENDS. Implementation of the WHO FCTC by its 178 parties demonstrates great progress in decreasing the harm caused by tobacco use and decreasing the burden from NCDs.

There is evidence of success from many countries, including Australia, Brazil and Turkey. The former prohibits import and sales of cartridges containing nicotine, the latter two banned import, sales and marketing of e-cigarettes until, and unless, manufacturers present safety information.

Both scientific evidence and best practices are available to support a regulatory framework that will best prevent initiation of use among youth and other non-tobacco users, protect bystanders in public areas from involuntary exposure, regulate marketing, and prohibit unsubstantiated claims.

Such a regulatory framework would require manufacturers to present safety and efficacy data. In this case, the use of these products as cessation aids (if the evidence supports such use) would operate under the supervision of a health authority that could control manufacturers' claims, impose health warnings about risks, require disclosure of ingredients and safety data and regulate product engineering as well as mandate surveillance.

This is the path that the WHO has been pursuing and encouraging. We urge you to continue doing so.

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<sup>1</sup>[http://www.who.int/entity/tobacco/communications/statements/electronic\\_cigarettes/en/index.html](http://www.who.int/entity/tobacco/communications/statements/electronic_cigarettes/en/index.html)

<sup>2</sup> <http://nicotinepolicy.net/n-s-p/1751-statement-who-052014>

<sup>3</sup> Peeters S, Gilmore AB. Understanding the emergence of the tobacco industry's use of the term tobacco harm reduction in order to inform public health policy. *Tob Control*. 2014 Jan 22. doi: 10.1136/tobaccocontrol-2013-051502.

<sup>4</sup> <http://www.cbsnews.com/news/tobacco-companies-bet-on-electronic-cigarettes/>

<sup>5</sup> <http://blog.euromonitor.com/2012/11/e-cigarettes-a-us2-billion-global-industry-who-should-be-worried.html>

<sup>6</sup> [http://www.who.int/fctc/guidelines/article\\_5\\_3.pdf?ua=1](http://www.who.int/fctc/guidelines/article_5_3.pdf?ua=1)

<sup>7</sup> <http://www.usatoday.com/story/news/nation/2012/11/27/judge-orders-tobacco-ads-declaring-deception/1730211/>

<sup>8</sup> Bialous SA, Sarma L. Electronic cigarettes and smoking cessation: a quandary? (letter) *Lancet*. 2014 Feb 1;383(9915):407-8. doi: 10.1016/S0140-6736(14)60143-4.

<sup>9</sup> de Andrade M, Hastings G, Angus K. Promotion of electronic cigarettes: tobacco marketing reinvented? *BMJ*. 2013 Dec 21;347:f7473. doi: 10.1136/bmj.f7473.

<sup>10</sup> McCarthy M. E-cigarette companies target youth, US congressional study finds. *BMJ*. 2014 Apr 22;348:g2871. doi: 10.1136/bmj.g2871.

<sup>11</sup> Legacy. Vaporized: E-Cigarettes, Advertising, And Youth. May 2014

[http://legacyforhealth.org/content/download/4542/63436/version/1/file/LEG-Vaporized-E-cig\\_Report-May2014.pdf](http://legacyforhealth.org/content/download/4542/63436/version/1/file/LEG-Vaporized-E-cig_Report-May2014.pdf)

<sup>12</sup> Jennifer C. Duke, Youn O. Lee, et al. Exposure to Electronic Cigarette Television Advertisements Among Youth and Young Adults. *Pediatrics*. Published online June 2, 2014. (doi: 10.1542/peds.2014-0269)

- <sup>23</sup> Dutra LM, Glantz SA. Electronic Cigarettes and Conventional Cigarette Use Among US Adolescents: A Cross-sectional Study. *JAMA Pediatr.* 2014 Mar 6. doi: 10.1001/jamapediatrics.2013.5488. [Epub ahead of print]
- <sup>24</sup> Centers for Disease Control and Prevention (CDC). Notes from the field: electronic cigarette use among middle and high school students - United States, 2011-2012. *MMWR Morb Mortal Wkly Rep.* 2013 Sep 6;62(35):729-30.
- <sup>25</sup> Lee S, Grana RA, Glantz SA. Electronic cigarette use among Korean adolescents: a cross-sectional study of market penetration, dual use, and relationship to quit attempts and former smoking.
- <sup>26</sup> <http://www.realparentsrealanswers.com/what-you-need-to-know-about-e-cigarettes-infographic/>
- <sup>27</sup> Grana RA, Ling PM. Smoking revolution": a content analysis of electronic cigarette retail websites. *Am J Prev Med.* 2014 Apr;46(4):395-403. doi: 10.1016/j.amepre.2013.12.010.
- <sup>28</sup> Carr ER. E-cigarettes: facts, perceptions, and marketing messages. *Clin J Oncol Nurs.* 2014 Feb;18(1):112-6. doi: 10.1188/14.CJON.112-116.
- <sup>29</sup> Rooke C, Amos A. News media representations of electronic cigarettes: an analysis of newspaper coverage in the UK and Scotland [published online ahead of print July 24, 2013]. *Tob Control.* doi:10.1136/tobaccocontrol-2013-051043.
- <sup>30</sup> Grana R, Benowitz N, Glantz SA. Circulation. E-cigarettes: a scientific review. *Circulation* 2014 May 13;129(19):1972-86. doi: 10.1161/CIRCULATIONAHA.114.007667.
- <sup>31</sup> *ibid.*
- <sup>32</sup> Pisinger C, Godtfredsen NS. Is there a health benefit of reduced tobacco consumption? A systematic review. *Nicotine Tob Res.* 2007 Jun;9(6):631-46.
- <sup>33</sup> Adkison SE, O'Connor RJ, Bansal-Travers M, Hyland A, Borland R, Yong HH, Cummings KM, McNeill A, Thrasher JF, Hammond D, Fong GT. Electronic nicotine delivery systems: international tobacco control four-country survey. *Am J Prev Med.* 2013 Mar; 44(3):207-15.
- <sup>34</sup> Grana R, Popova L, Ling P. A longitudinal analysis of electronic cigarette use and smoking cessation [published online ahead of print March 24, 2014]. *JAMA Int Med.* doi:10.1001/jamainternmed.2014.187.
- <sup>35</sup> Vickerman KA, Carpenter KM, Altman T, Nash CM, Zbikowski SM. Use of electronic cigarettes among state tobacco cessation quitline callers. *Nicotine Tob Res.* 2013;15:1787-1791.
- <sup>36</sup> Popova L, Ling PM. Alternative tobacco product use and smoking cessation: a national study. *Am J Public Health.* 2013;103:923-930.
- <sup>37</sup> Choi K, Forster JL. Response to Letter to the Editor Regarding "Beliefs and Experimentation with Electronic Cigarettes: A Prospective Analysis Among Young Adults." *Am J Prev Med*
- <sup>38</sup> See reference #20.
- <sup>39</sup> Bullen C, Howe C, Laugesen M, McRobbie H, Parag V, Williman J, Walker N. Electronic cigarettes for smoking cessation: a randomised controlled trial. *Lancet.* 2013 Nov 16;382(9905):1629-37. doi: 10.1016/S0140-6736(13)61842-5. Epub 2013 Sep 9.
- <sup>40</sup> Brown J, Beard E, Kotz D, Michie S, West R. Real-world effectiveness of e-cigarettes when used to aid smoking cessation: a cross-sectional population study. *Addiction.* 2014 May 20. doi: 10.1111/add.12623. [Epub ahead of print]
- <sup>41</sup> *Ibid*
- <sup>42</sup> Goniewicz ML, Knysak J, Gawron M, Kosmider L, Sobczak A, Kurek J, Prokopowicz A, Jablonska-Czapla M, Rosik-Dulewska C, Havel C. Levels of selected carcinogens and toxicants in vapour from electronic cigarettes. *Tob Control.* 2014;23:133-139.
- <sup>43</sup> Kim HJ, Shin HS. Determination of tobacco-specific nitrosamines in replacement liquids of electronic cigarettes by liquid chromatography-tandem mass spectrometry. *J Chromatogr A.* 2013;1291:48-55.
- <sup>44</sup> Farsalinos KE, Romagna G, Alliffranchini E, Ripamonti E, Bocchietto E, Todeschi S, Tsiapras D, Kyrzopoulos S, Voudris V. Comparison of the cytotoxic potential of cigarette smoke and electronic cigarette vapour extract on cultured myocardial cells. *Int J Environ Res Public Health.* 2013;10:5146-5162.
- <sup>45</sup> Flouris AD, Chorti MS, Poulianiti KP, Jamurtas AZ, Kostikas K, Tzatzarakis MN, Wallace Hayes A, Tsatsakis AM, Koutedakis Y. Acute impact of active and passive electronic cigarette smoking on serum cotinine and lung function. *Inhal Toxicol.* 2013;25:91-101.

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<sup>36</sup> Czogala J, Goniewicz ML, Fideius B, Zielinska-Danch W, Travers MJ, Sobczak A. Secondhand exposure to vapors from electronic cigarettes [published online ahead of print December 11, 2013]. *Nicotine Tob Res.* doi: 10.1093/ntr/ntt203.

<sup>37</sup> Zhang Y, Sumner W, Chen DR. In vitro particle size distributions in electronic and conventional cigarette aerosols suggest comparable deposition patterns.

*Nicotine Tob Res.* 2013 Feb; 15(2):501-8.

<sup>38</sup> Schober W, Szendrei K, Matzen W, Osiander-Fuchs H, Heitmann D, Schettgen T, Jorres RA, Fromme H. Use of electronic cigarettes (e-cigarettes) impairs indoor air quality and increases FeNO levels of e-cigarette consumers [published online ahead of print December 6, 2013]. *Int J Hyg Environ Health.* doi: 10.1016/j.ijheh.2013.11.003.

<sup>39</sup> Williams M, Villarreal A, Bozhilov K, Lin S, Talbot P. Metal and silicate particles including nanoparticles are present in electronic cigarette cartomizer fluid and aerosol. *PLoS One.* 2013; 8(3):e57987.

<sup>40</sup> Laino T, Tuma C, Moor P, Martin E, Stoiz S, Curioni A. Mechanisms of propylene glycol and triacetin pyrolysis. *J Phys Chem A.* 2012 May 10; 116(18):4602-9.

<sup>41</sup> U.S. Department of Health and Human Services. *The Health Consequences of Smoking—50 Years of Progress: A Report of the Surgeon General.* Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health, 2014.

<sup>42</sup> [http://www.nu-mark.com/MarkTen\\_Product\\_Information\\_Guide.pdf](http://www.nu-mark.com/MarkTen_Product_Information_Guide.pdf)

<sup>43</sup> Chatham-Stephens K, Law R, Taylor E, Melstrom P, Bunnell R, Wang B, Apelberg B, Schier JG; Centers for Disease Control and Prevention (CDC). Notes from the field: calls to poison centers for exposures to electronic cigarettes—United States, September 2010–February 2014. *MMWR Morb Mortal Wkly Rep.* 2014 Apr 4;63(13):292-3.