

mentioned the “detailed list of quibbles” put forward by the US Department of Health and Human Services,⁵ questioning the scientific basis of the new WHO strategy on diet and physical activity.⁶ As Dyer⁴ has pointed out, “[w]henver you hear the government or the industry talking about scientific rigour . . . it’s code for self interest.” Food fights, therefore, constitute an unequal struggle between the common good, represented axiomatically by public health, and the individual interests of food manufacturers, who are so powerful as to influence and shape government policies.²⁻⁴

Morality, in its original meaning,⁷ suggests that the individual interests of food industrialists should no longer be privileged over the innumerable human lives that could be saved by preventing obesity and its tragic consequences.⁸ Strict regulations on food production and its advertising are urgently needed worldwide and should be respected by market forces. Otherwise, to contain increasingly catastrophic epidemics of nutrition-related disorders, many governments will probably be compelled to turn food companies into nationalized, nonprofit organizations.

Riccardo Baschetti

Medical Inspector (retired)
Fortaleza, Brazil

References

1. Food fights [editorial]. *CMAJ* 2004;170(5):757.
2. Marwick C. Food industry obfuscates healthy eating message. *BMJ* 2003;327:121.
3. Elliot A. US food industry ensures that consumers are not told to eat less. *BMJ* 2003;327:1067.
4. Dyer O. US government rejects WHO’s attempts to improve diet. *BMJ* 2004;328:185.
5. Integrated prevention of noncommunicable diseases. Draft global strategy on diet, physical activity and health [doc no EB113/44 Add.1]. Geneva: World Health Organization; 2003 Nov 27. Available: www.who.int/gb/EB_WHA/PDF/EB113/eeb11344a1.pdf (accessed 2004 Apr 7).
6. US Departments of Health and Human Services and Agriculture. Review of *Diet, Nutrition and the Prevention of Chronic Diseases*. Rockville (MD): US Department of Health and Human Services, Office of Global Health Affairs; 2003 Jan 2. Available: <http://cspinet.org/new/pdf/steigerltr.pdf> (accessed 2004 Apr 7).
7. Baschetti R. Ethical analysis in public health [letter]. *Lancet* 2002;360:416.
8. Mokdad AH, Marks JS, Stroup DF, Gerberding JL. Actual causes of death in the United States, 2000. *JAMA* 2004;291:1238-45.

Competing interests: None declared.

DOI:10.1053/cmaj.1040495

Medical privacy is important

As noted in a recent “News @ a Glance” item,¹ the use and abuse of oxycodone is a growing concern in Canada, particularly in Nova Scotia.² The lay press has reported that police and pharmacists in that province would like a province-wide database to be established to track users of narcotic medications prescribed for pain relief, especially drugs containing oxycodone;³ it is believed that such a database would help to prevent “double-doctoring.”

Drug databases can certainly be used by primary care physicians to improve the quality of patient care and to ensure that patients are not exposed to dangerous drug interactions.⁴ However, it is important that patients’ privacy be protected. If patients think that the police may have access to such a database, those suffering from legitimate chronic pain may be less likely to seek appropriate medical care.

Before consideration is given to violating patients’ privacy, a good first step would be a study to determine the effectiveness of such a database in detecting double-doctoring. The seriousness of the problem of drug addiction does not justify the unethical violation of medical privacy, even when it is done with the best of intentions.

Andrei S.P. Brennan

Research Ethics Quality Assurance
Officer

Research Institute of the McGill
University Health Centre
Montréal, Que.

J.A. Chris Delaney

Statistician
Division of Clinical Epidemiology
Royal Victoria Hospital
Montréal, Que.

References

1. Sibbald B. OxyContin task force. *CMAJ* 2004; 170(3):326.
2. Moulton D. “Hillbilly heroin” arrives in Cape Breton. *CMAJ* 2003;168(9):1172.
3. Canadian Press. Pharmacists call for prescription database. In: CTV.ca [Web site]. [place unknown]: Bell Globemedia; 2004 Mar 8. Available: www.ctv.ca/servlet/ArticleNews/story/CTVNews/1078677993092_38?hub=Health (accessed 2004 Apr 11).
4. Tamblyn R, Huang A, Perreault R, Jacques A, Roy D, Hanley J, et al. The medical office of the

21st century (MOXXI): effectiveness of computerized decision-making support in reducing inappropriate prescribing in primary care. *CMAJ* 2003;169(6):549-56.

Competing interests: None declared.

DOI:10.1053/cmaj.1040446

Genetics and ARMD

Thank you for Erica Weir’s Public Health article on age-related macular degeneration (ARMD).¹ The term for this condition sounds like an apology for our inability to identify a better cause, but in fact genetics plays a large role in a person’s predisposition to macular degeneration. Several genes may be associated with macular degeneration, including *ABCA4*, *VMD2*, *EFEMP1*, *TIMP3*,² *ELOVL4*³ and *CRX*.⁴ However, a search for mutations in these genes in patients with a diagnosis of ARMD has been disappointing, except in the case of *ABCA4*. Patients who carry mutations in both *ABCA4* alleles have an autosomal recessive disorder called Stargardt disease.⁵ Allikmets⁶ has shown a significantly higher incidence of mutations in the *ABCA4* gene among patients with ARMD than in a control population. These mutations may contribute to the higher risk of vision loss from ARMD among first-degree relatives of patients with the condition, estimated at 4 times the risk for the general population.⁷

How can ARMD be prevented? As mentioned by Weir, stopping smoking and eating a healthy diet are both important. In particular, eating fish at least twice a week reduces the risk.⁸ Fish is an excellent source of omega-3 fatty acids, in particular docosahexaenoic acid, the predominant highly unsaturated fatty acid of the retina. With people now living into their 80s, a healthy lifestyle and a healthy diet are important not only for general well-being but also for good vision.

Ian M. MacDonald

Matthew A. Lines

Ocular Genetics Laboratory
University of Alberta
Edmonton, Alta.

References

1. Weir E. Age-related macular degeneration: armed against ARMD. *CMAJ* 2004;170(4):463-4.
2. Ambati J, Ambati BK, Yoo SH, Ianchulev S, Adamis AP. Age-related macular degeneration: etiology, pathogenesis, and therapeutic strategies. *Surv Ophthalmol* 2003;48:257-93.
3. Zhang K, Kniazeva M, Han M, Li W, Yu Z, Yang Z, et al. A 5-bp deletion in *ELOVL4* is associated with two related forms of autosomal dominant macular dystrophy. *Nat Genet* 2001;27:89-93.
4. Lines MA, Hebert M, McTaggart KE, Flynn SJ, Tennant MT, MacDonald IM. Electrophysiological and phenotypic features of an autosomal cone-rod dystrophy caused by a novel CRX mutation. *Ophthalmology* 2002;109:1862-70.
5. Allikmets R, Singh N, Sun H, Shroyer NF, Hutchinson A, Chidambaram A, et al. A photoreceptor cell-specific ATP-binding transporter gene (*ABCR*) is mutated in recessive Stargardt macular dystrophy [published erratum appears in *Nat Genet* 1997;17(1):122]. *Nat Genet* 1997;15(3):236-46.
6. Allikmets R. Simple and complex ABCR: genetic predisposition to retinal disease. *Am J Hum Genet* 2000;67:793-9.
7. Klaver CCW, Wolfs RCW, Assink JJM, van Duijn CM, Hofman A, de Jong PTVM. Genetic risk of age-related maculopathy. Population-based familial aggregation study. *Arch Ophthalmol* 1998;116:1646-51.
8. Cho E, Hung A, Willet WC, Spiegelman D, Rimm EB, Seddon JM, et al. Prospective study of dietary fat and the risk of age-related macular degeneration. *Am J Clin Nutr* 2001;73:209-18.

DOI:10.1053/cmaj.1040494

Universal care

Noralou Roos and associates¹ report mean per capita physician and hospital expenditures for Winnipeg residents for 1999–2000. Although they do not supply overall mean expenditures, the means for the middle socio-economic quintile (\$286/person for physician costs and \$333/person for hospital costs) are probably close to the overall means.

Data from the Canadian Institute for Health Information (CIHI)² suggest that Roos and associates omitted a significant proportion of physician and hospital expenditures from their calculations. According to CIHI data for Manitoba,² public expenditures for physicians were \$382/person in 1999 and \$420/person in 2000; for hospitals these figures were \$895/person in 1999 and \$944/person in 2000.² Total public health expenditures for the province were \$2380/person in 1999 and \$2621/person in 2000. Overall, it appears from this comparison that Roos and associates¹ included only about a

quarter of all public health expenditures in their analysis.

Given evidence from other comparisons of funding and patterns of health care use among regional health authorities,^{3,4} it is unlikely that the costs for Winnipeg reported by Roos and associates¹ were that much lower than those for the rest of Manitoba (as in the CIHI data); hence, other reasons for the higher values reported by CIHI are more likely. For example, the analysis by Roos and associates might not have captured salary costs for physicians on salary, and it appears that the majority of hospital costs were not included.¹

The fact that Roos and associates incorporated only a minority of public health care costs in their calculations does not necessarily reduce the validity of their conclusions, which were based on comparisons among socioeconomic groups and among groups of individuals with different levels of use of health care services. Nevertheless, some caution is needed in the interpretation of their results.

Jon Gerrard

MLA, River Heights

Leader, Manitoba Liberal Party
Winnipeg, Man.

References

1. Roos NP, Forget E, Walld R, MacWilliam L. Does universal comprehensive insurance encourage unnecessary use? Evidence from Manitoba says "no." *CMAJ* 2004;170(2):209-14.
2. National health expenditure trends 1975–2002. Ottawa: Canadian Institute for Health Information; 2002.
3. Manitoba Health annual report 2002–2003. Winnipeg: Manitoba Health; 2003. p. 88-91.
4. Martens PJ, Fransoo R, Burland E, Jebemani L, Burchill C, Black C, et al. The Manitoba RHA indicators atlas: population-based comparison of health and health care use. Winnipeg: Manitoba Centre for Health Policy; 2003.

DOI:10.1053/cmaj.1040197

Noralou P. Roos and associates¹ document the role of poverty as a justifiable factor for increased utilization of health care services, because those of low socioeconomic status have poorer health status. However, the authors do not appear to prove that universal comprehensive insurance does not increase utilization.

For years, during informal discussions at work, continuing medical educa-

tion courses and social events, I have been hearing family physicians readily acknowledge that their rate of referral to specialists is probably excessive and that they have ordered questionable investigations under perceived pressure from patients and fear of legal action. In these situations, universal health insurance has undoubtedly freed both physician and patient from financial accountability.

To reduce the present financially unsustainable rate of annual growth in health care, Canadian politicians should follow the suggestions of Roos and associates¹ by focusing on evidence-based medicine, physician practice patterns and hospital management, but not user fees and medical savings accounts. Fortunately, recent proposals that might moderately reduce utilization² inspire optimism that sufficient funds will be generated justly and fairly. Such funds are urgently required for the financial sustainability of Canada's health care system. Modest annual premiums could be introduced, calculated as a fair percentage of income above the poverty line. In addition, health care services could be treated as a taxable benefit on income above the poverty line, with a maximum calculated as a fair percentage of income.

Canadians accept average annual expenses of more than \$1000 for car insurance,³ \$700 for gambling^{4,5} and (for anyone who indulges in a large coffee and a doughnut each weekday) \$500 at Tim Hortons, but, remarkably, they appear reluctant to preserve health care by paying for a modest portion of their physician and hospital services!

Ross McElroy

Family Physician (retired)
Tavistock, Ont.

References

1. Roos NP, Forget E, Walld R, MacWilliam L. Does universal comprehensive insurance encourage unnecessary use? Evidence in Manitoba says "no." *CMAJ* 2004;170(2):209-14.
2. MacIntosh R. Use "prices" to fix health care. *The National Post* [Toronto] 2000 Jul 28.
3. Mullins M. Two hundred bucks more: the premium cost of public auto insurance. In: *Fraser Alert Auto Insurance Series*. Vancouver: Fraser Institute; 2003 Nov. Available: www.fraserinstitute.ca/admin/boooks/files/auto-insur2.pdf (accessed 2004 Mar 1).
4. Profile — Ontario. In: 2001 census [online]. Ottawa: Statistics Canada; updated 2004 Jan 09. Available: www12.statcan.ca/english/census01