

Applying Total Quality Management to sexual minority tobacco control

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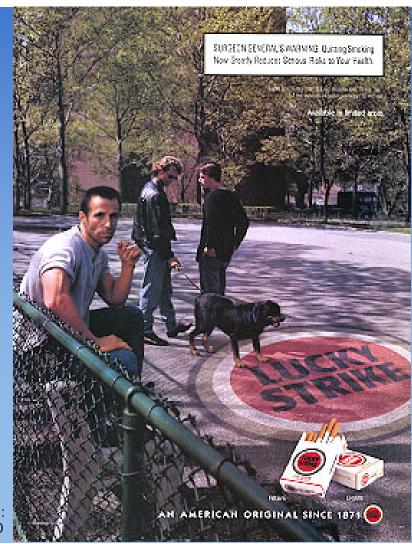
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Thanks and disclaimers

- Special thanks to Mellanye Lackey, MSI, of the UNC Health Sciences Library
- All errors and mistakes are my own



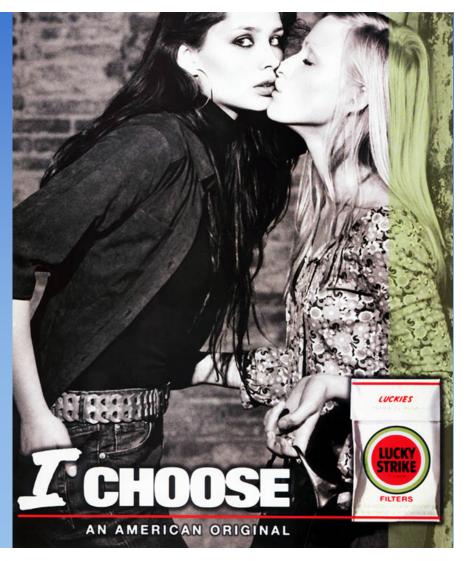
From: Commercial Closet. [Accessed 26 Oct 2007.] Available from: URL:http://www1.commercialdoset.org/cgi-bin/iowa/portrayals.html?record=380

1998, *OUT*



Why sexual minorities?







Previous Reviews

- Ryan H, Wortley PM, Easton A, Pederson L, Greenwood G. Smoking among lesbians, gays, and bisexuals: a review of the literature. Am J Prev Med. 2001 Aug;21(2):142-9.
- Hughes TL, Jacobson KM. Sexual orientation and women's smoking. Curr Womens Health Rep. 2003 Jun;3(3):254-61.



Did You know? I COBE of a service of the control o

Did You Know?

- LGBT's smoke at rates 40% to almost 200% higher than the general population.
- Tobacco companies have used LGBT civil rights leaders to help them frame smoking as a "freedom" so they can target us more successfully.
- If you call the quitline you are up to 5 times more likely to successfully quit smoking versus going cold turkey.
- One phone call can get you a FREE quit coach, FREE quit plan, and answers and support to help you quit smoking today.

Source: National LGBT Tobacco Control Network.

[Accessed 12 Oct 2007.] Available from:

URL:http://www.lgbttobacco.org/files/POSTER.pdf

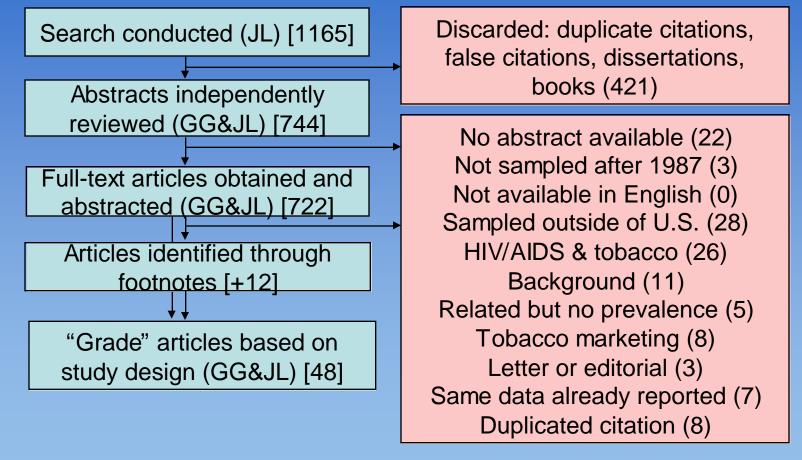


Databases Searched

- CINAHL, 1987-2007
- Cochrane Library (via Wiley InterScience), 1987-2007
- **ERIC**, 1987-2007
- Health Source: Nursing/Academic, 1987-2007
- ISI Web of Science, 1987-2007
- PsycInfo (via EBSCO Host), 1987-2007
- PubMed (MEDLINE), 1987-2007
- Office on Smoking and Health
- EMBASE
- Current Contents/Social and Behavioral Science
- Current Contents/Life Sciences



Systematic Review Process



48 articles included



Search String

(homosexuality OR homosexual OR gay OR "sexual minority" OR "female homosexuality" OR "homosexuality, female" OR lesbian OR bisexuality OR bisexual OR transgender OR transsexual OR transsexualism OR transsexuality OR MSM OR queer OR "sexual orientation" OR "men who have sex with men" OR WSW OR "women loving women" OR "women who have sex with women" OR lesbianism)

AND

 (tobacco OR smoking OR smoker OR smokeless OR lobeline OR cotinine OR cigarette OR cigar OR habits OR habit OR "addictive behavior" OR addiction OR nicotine OR prevalence OR epidemiology)



Some TQM Components

- Quality, not short-term
- Consumer orientation
- "The next process is your customer"
- Evidence-based
- Participatory
- Cross-function communication/management

Ishikawa K. Lu DJ, transl. What is total quality control? The Japanese way. Englewood Cliffs (NJ): Prentice Hall; 1985. p. 104.

Mays GP, Hatzell T, Kaluzny AD, Halverson PK. CQI in public health organizations. In: McLaughlin CP, Kaluzny AD. Eds. Continuous quality improvement in health care: Theory, implementation, and applications. Gaithersburg (MD): Aspen. 1999. pp. 360-403



TQM Walkthrough

- Why Tobacco Control Is an Issue for the LGBTQ Community
- 2. Tobacco Use
- 3. Disparities & Targets
- 4. Why We Use Tobacco
- 5. Countermeasures
- 6. Results
- 7. Standardization
- 8. Future Work



1. Tobacco Problem

Annex Table 16 Major burden of disease — leading 10 selected risk factors and leading 10 diseases and injuries, developed countries, 2000

Developed countries with very low or low child mortality levels (AMR-A, EUR-A, EUR-B, EUR-C, WPR-A)

| Risk factor | % DALYs | Disease or injury % | DALYs |
|--------------------------------|---------|---|-------|
| Tobacco | 12.2 | Ischaemic heart disease | 9.4 |
| Blood pressure | 10.9 | Unipolar depressive disorders | 7.2 |
| Alcohol | 9.2 | Cerebrovascular disease | 6.0 |
| Cholesterol | 7.6 | Alcohol use disorders | 3.5 |
| Overweight | 7.4 | Dementia and other central nervous system disorders | 3.0 |
| Low fruit and vegetable intake | 3.9 | Deafness | 2.8 |
| Physical inactivity | 3.3 | Chronic obstructive pulmonary disease | 2.6 |
| Illicit drugs | 1.8 | Road traffic injury | 2.5 |
| Unsafe sexª | 0.8 | Osteoarthritis | 2.5 |
| Iron deficiency ^b | 0.7 | Trachea/bronchus/lung cancers | 2.4 |

a Unsafe sex disease burden is from HIV/AIDS and sexually transmitted diseases.

NB. The selected risk factors cause diseases in addition to those relationships illustrated, and additional risk factors are also important in the etiology of the diseases illustrated.

1-24% population attributable fraction

25-49% population attributable fraction

50%+ population attributable fraction

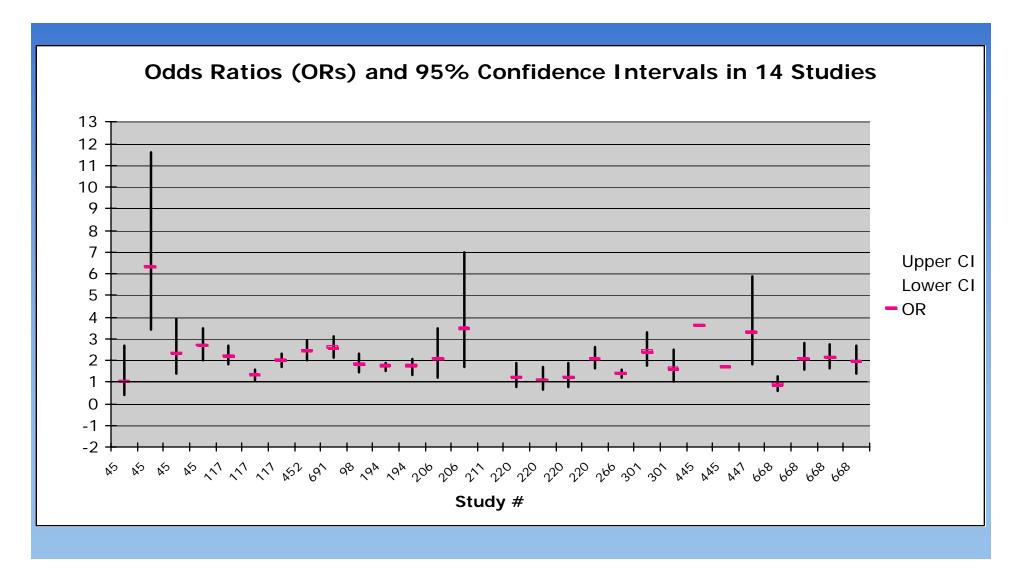
World Health Organization. World health report 2002. Annex table 16 major burden of disease – leading 10 selected risk factors and leading 10 diseases and injuries, developed countries, 2000. Available from: URL:http://www.who.int/whr/2002/en/whr2002_annex14_16.pdf

^b Iron deficiency disease burden is from maternal and perinatal causes, as well as direct effects of anaemia.

Preventive fractions due to alcohol and cardiovascular disease in some regions are not shown in these tables.

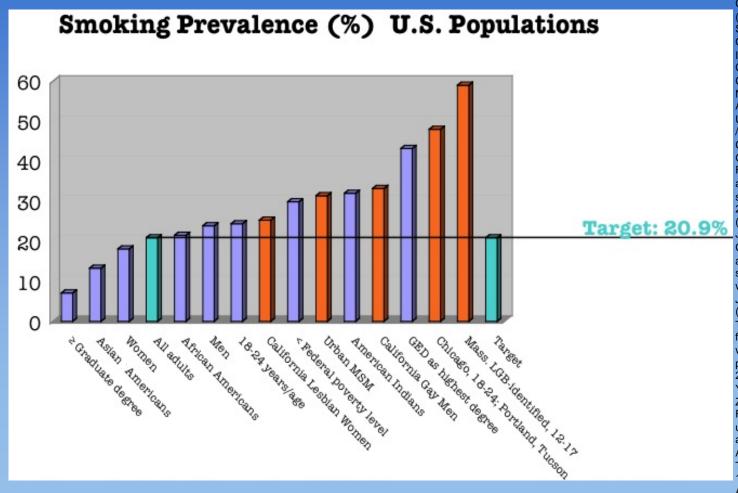


2. Use & Disparities





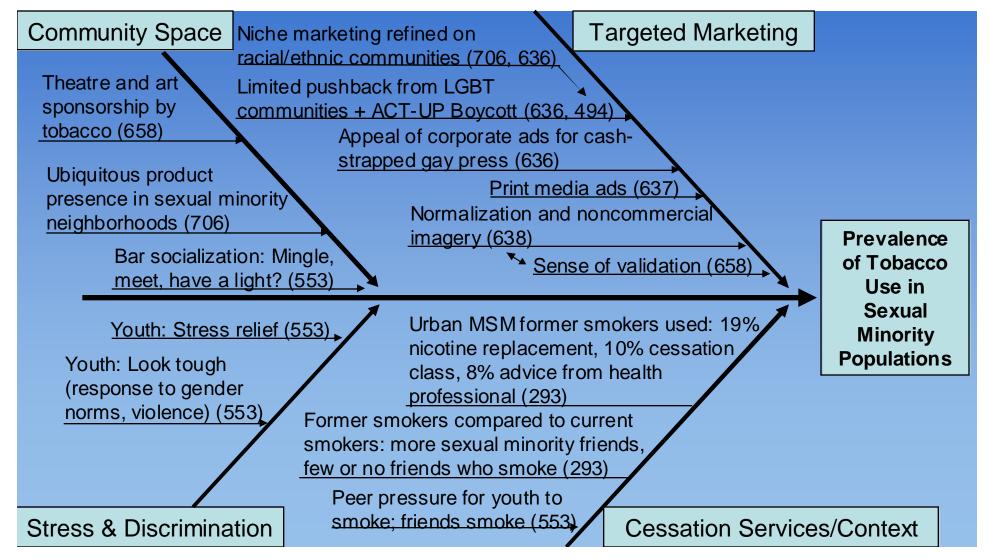
3. Targets



Centers for Disease Control and Prevention (CDC). Tobacco use among adults--United States, 2005. Morb Mortal WklyRep. 2006 Oct 27:55(42):1145-8. Cited in: Tobacco Information and Prevention Source. Adult Cigarette Smoking in the United States: Current Estimates. Fact sheet, November 2006. [Accessed 10 Dec 2006.] Available from: URL:http://www.cdc.gov/tobacco/factsheets /AdultCigaretteSmoking_FactSheet.htm California statistics (2001) from: Tang H, Greenwood GL, Cowling DW, Lloyd JC, Roesel er AG, Bal DG. Cigarette smoking among les bians, gays, and bisexuals: how serious a problem? Cancer Causes Control. 2004 Oct; 15(8): 797-803. Urban MSM (1999) statistic from: Greenwood GL, Paul JP, Pollack LM, Binson D, Catania JA, Chang J, Humfleet G, Stall R. Tobacco us e and cess ation among a household-based sample of US urban men who have sex with men. Am J Public Health. 2005 Jan; 95(1): 145-51. Chicago MSM statistic (2001) from: McKirnan DJ, Tolou-Shams M, Turner L, Dyslin K, Hope B. Elevated risk for tobacco use among men who have sex with men is mediated by demographic and psychosocial variables. Subst Use Misuse. 2006; 41(8): 1197-208. Mass achusetts YRBS (1995) statistic from: Austin SB, Ziyadeh N, Fisher LB, Kahn JA, Col ditz GA, Frazier AL. Sexual orientation and tobacco use in a cohort study of US adolescent girls and boys. Arch Pediatr Adolesc Med. 2004 Apr;158(4):317-22. Portland, Ore., and Tucson, Az., statistic (gay/bis exual men, 1992) from: Stall RD, Greenwood GL, Acree M, Paul J, Coates TJ. Cigarette smoking among gay and bisexual men. Am J Public Health. 1999 Dec;89(12):1875-8.



4. Etiology





5. Countermeasures

- Highlighting positive attributes of LGBT nonsmokers (553, Remafedi 2007)
- 554, Remafedi & Carol 2005
 - Process (involve target population)
 - Strategies (smoke free events, interactive, no pressure)
 - General Strategies (self-esteem, social support, not stand-alone, role models)
- Boycott only judiciously (494, Offen et al 2003)
- Smoke-free bar ordinances
- 5 A's, Quit Line, pharmacological aids



6. Results

 No published evaluations of sexual minority tobacco control efforts



7. "Standardization"

- Data collection on sexual minority status in large, population-based surveys
- National promotion of best practices in sexual minority tobacco control (= National LGBT Tobacco Control Network)
- Utilization of evidence-based programs: 5
 A's, Quit Line, nicotine replacement



8. Future Plans

- Inclusion in population-based samples
- Smoking and increasing numbers of partners with children
 - Only: Sanchez JP, Meacher P, Beil R. Cigarette smoking and lesbian and bisexual women in the Bronx. J Community Health. 2005 Feb;30(1):23-37.
 - 1996 National Household Survey on Drug Abuse (NHSDA)
 - National Health Interview Survey (NHIS)
- Quit Lines, data collection during intake
- Evaluations of cessation programs
- Transgender, racial/ethnic data

Pawelski JG, Perrin EC, Foy JM, Allen CE, Crawford JE, Del Monte M, et al. The effects of marriage, civil union, and domestic partnership laws on the health and well-being of children. Pediatrics. 2006 Jul;118(1):349-64.



freedom.to speak. to choose. to marry. to participate. to be. to disagree. to inhale. to believe. to love. to live. it's all good.

2005



the people of santa fe natural tobacco company

No additives in our tobacco does **NOT** mean a safer cigarette.

SURGEON GENERAL'S WARNING: Smoking By Pregnant Women May Result in Fetal Injury, Premature Birth, And Low Birth Weight.

www.nascigs.com

Natural American Spirit* is a registered trademark of Santa Fe Natural Tobacco Company.

From: Commercial Closet. [Accessed 26 Oct 2007.] Available from: URL:http://www1.commercial.doset.org/cgi-

bin/iowa/portrayals.html?record=2346



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