

Institute for Vaccine Safety



Johns Hopkins Bloomberg
School of Public Health

615 N. Wolfe Street
Suite w5041
Baltimore, Maryland 21205

TELEPHONE
410-955-2955

FACSIMILE
410-502-6733

WEB SITE
www.vaccinesafety.edu

Neal A. Halsey, MD
nhalsey@jhsp.h.edu
DIRECTOR

Lawrence H. Moulton, PhD
lmoulton@jhsp.h.edu
CO-DIRECTOR

Daniel Salmon, PhD
dsalmon@jhsp.h.edu
ASSOCIATE DIRECTOR FOR
POLICY AND BEHAVIORAL
RESEARCH

Tina Proveaux
tproveau@jhsp.h.edu
COORDINATOR

House Bill 86
Letter of Opposition

February 9, 2005

The Honorable John Adams Hurson
Chair, House Health & Government Operations Committee
Lowe House Office Building, Room 161
Annapolis, MD 21401

RE: House Bill 86 Public Health - Children and Pregnant Women - Mercury and Heavy Metal-Free Vaccines and Injections

Dear Chairman Hurson,

On behalf of the Institute for Vaccine Safety at the Johns Hopkins Bloomberg School of Public Health, we would like to voice our **opposition** to House Bill 86. House Bill 86 would prevent the administration of any vaccine that contains any amount of a heavy metal to children under three and to pregnant women. Although this bill is well-intentioned, it could impair our ability to protect Maryland's children and pregnant mothers against influenza, tetanus, pertussis, and diphtheria. In this regard, we would like to offer you more information pertaining to the current status of administered vaccines in Maryland.

Several years ago, there was justified concern about the amounts of mercury-containing thimerosal preservatives used in the vaccines of that day. In 1999, at the time when the potential problem with this product was first identified, we worked assiduously with other professionals at the Johns Hopkins Bloomberg School of Public Health, the American Academy of Pediatrics, and the U.S. Public Health Service to encourage the removal of thimerosal as a preservative from vaccines administered to young children. (More information, including manuscripts, slide presentations, and reviews of this topic by the Institute of Medicine can be found on the Institute for Vaccine Safety web site www.vaccinesafety.edu.) Our concern was that the administration of multiple doses of vaccines with this preservative could present a safety issue for very small infants, especially those less than six months of age. For some DTaP, hepatitis B and influenza vaccines, the manufacturing process included the use of thimerosal during the production process. Since then, manufacturers have appropriately and effectively addressed this problem by extracting the thimerosal prior to preparation of the final product for sale. This extraction process drastically reduces the amount of thimerosal to 1/100th of its previous levels, from approximately 50 micrograms per dose to less than 0.5 micrograms per dose.

Potential danger due to mercury exposure in thimerosal is dose related. In reality, all of us are exposed to low levels of other mercury compounds in everyday food



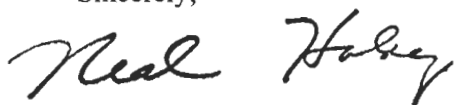
products. It is not possible to completely eliminate all exposure. The removal of thimerosal as a preservative from vaccines routinely administered to children has removed the theoretical risk that existed in 1999. The trace amounts in some current vaccines used in Maryland at this time do not constitute a health hazard for these children and prohibiting the sale or administration of vaccines with these trace amounts would be harmful for children.

Tetanus toxoid, with a reduced amount of thimerosal, has been introduced during the past few months for administration to adolescents and adults. It is uncertain whether the supply of this vaccine would be sufficient for all women who need tetanus toxoid.

Influenza vaccine with a reduced amount of thimerosal has been available in limited supply for the past two years. However, in a pending influenza pandemic, the supply of the thimerosal-reduced influenza vaccine would most likely not be adequate for all children.

In summary, we cannot support House Bill 86 because it could prevent some children and pregnant women from receiving needed vaccines.

Sincerely,



Neal Halsey M.D.
Professor and Director



Lawrence Moulton, PhD
Professor and Co-Director



Lynn Goldman, MD
Professor

Cc: Delegate Terry R. Gilleland, Jr.
Members, House Health & Government Operations Committee