Contributions of NY/NJ Jersey ERC

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NY/NJ ERC, 1980's-1990's

Mt. Sinai: occupational medicine
UMDNJ: occupational medicine
NYU: occupational hygiene
Hunter: industrial hygiene
Hunter: occupational health nursing
UMDNJ: continuing education and outreach
Sinai achievements: Selikoff era

1. Broadened and deepened knowledge of ARD

1. Made asbestos a household word

1964

Asbestos Exposure and Neoplasia

Irving J. Selikoff, MD, Joseph Cheng, MD, and E. Coplen Haverstick, PhD, New York

Building trades installation workers have relatively little, intermittent, exposure to asbestos fibers. The study entered the men before 1950 and was traced through 1962, but five died of exposure, smoking habits, and personal history, etc. The size of tumors and an inadequate histological diagnosis were significant factors.

Within the last few years a number of additional problems connected with asbestos exposure have
Dr. Selikoff popularized knowledge about asbestos.
Elevated levels of airborne asbestos fibers in Central Park, 1970

WTC identified as the source

Occupational and Community Asbestos Exposure from Wallboard Finishing Components

William J. Newbold, Ph.D., A. Breen, Ph.D., S. A. Fechtein, M.D.
and I. J. Selikoff, M.D.

Environmental Health Laboratory
Department of Community Medicine
The Mount Sinai School of Medicine of the City University of New York
New York, N.Y.

Bull. NY Academy Med. 1975

AHERA, 1986
1991

Selikoff team

- Ruth Lilis MD
- Bill Nicholson PhD
- Yasunosuke Suzuki MD
- Steve Levin MD
- Mary Wolff PhD
- Albert Miller MD

**FIGURE 3:** The Pulmonary Division (Closed Service) of The Mount Sinai Hospital in front of the Out-Patient Clinic 1962. Front row from left: Irving J. Selikoff, Unknown fellow, Louis E. Richbach, Irene Friedman. Rear row: Unknown fellow, Albert Miller, Research Fellow.
Dr. Selikoff and the OM residents

Selikoff et al. ANYAS, 1979
The surveys
Work on Selikoff cohort continued......


STEVY H. MARKOWITZ, JUERDI NOVANA, RUTH LEUI, ALBERT MIUER, WILLIAM J. MICHOLSON
AND STEPHEN LEEY

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Lung cancer mortality among 2,907 North American insulators
Fifty years after Dr. Selikoff’s landmark article in JAMA (1964)

Asbestos, Asbestosis, Smoking, and Lung Cancer
New Findings from the North American Insulator Cohort

Development of NYS Occupational Health Clinic Network

New Sinai era, 1985
Some Sinai OM Residents, late 1970’s – early 1990’s

- Henry Anderson MD
- William Ron MD, MPH
- Arthur Frank MD
- Stephen Levin MD
- Ken Rosenman MD MPH
- Howard Kipen MD, MPH
- Waply Kalaou MD
- Steven Markowitz MD, DrPH

Robin Herbert MD
Al Frawzblau MD
Allen Kraut MD
Fred Gerr MD
Eckardt Johanning MD
George Friedman-Jimenez MD, DrPH
Jackie Molin MD, MPH
Louise Short MD

ERC and OHCN prepared NY/NJ for WTC Health

1. Knowledge of the WTC
2. Available OM clinics
3. Research capacity – exposure, toxicology, OM
4. Community and health systems connections
5. Diverse approaches
NY/NJ Role in Response to WTC

Mt. Sinai, Stonybrook, Queens – Clinical
UMDNJ – Clinical, Exposure assessment
NYU – Exposure assessment, Clinical, Toxicology

NYU Program in Occupational Hygiene
(now Environmental Health Sciences)

NYU Environmental Medicine
Founded in 1947
Leaders: A. Lanza, N. Nelson, A. Upton, M. Costa
Diverse research, clinical, and teaching activities
ERC Program leader: Mort Lippmann: pioneer in inhalation toxicology
Placed graduates in broad variety of industry, government, and academia settings

https://med.nyu.edu/environmentalmedicine/graduate-program/alumni-placement

Hunter/CUNY program in industrial hygiene

Emphasis on training industrial hygiene practitioners

Graduates widely populate NY/NJ government, industry, union, and consultant practices

Strong and stable hands-on leadership:
George Kupchik, David Kotelchuck, Jack Caravanas

Lead Poisoning in Iron Workers

NEJM 1982

Lead exposure among iron workers in New York City. A continuing occupational hazard in the 1980s.

Fischbein A, Leidi M, Solomon S.
Joint Hunter/Sinai Research

UMDNJ Occupational Medicine

Michael Gochfeld MD, longtime program director
1984 – 2014
Leader in OM training

Graduates: practice, industry, teaching, research

UMDNJ: Continuing Education and Outreach

Audrey Gotsch PhD, leader in public health in NJ