

CURRICULUM VITAE

NAME: Steven Matthew Marcus
CURRENTTITLE: Professor, Department of Preventive Medicine and Community Health
OFFICE ADDRESS: New Jersey Poison Information & Education System
at University of Medicine and Dentistry of New Jersey
140 Bergen Street
PO Box 1709
Newark, NJ 07101-1709
HOME ADDRESS: blocked

1. EDUCATION

a. Undergraduate:

Brooklyn College: February 1963 Bachelor's Degree in Biology with significant emphasis in Chemistry and Speech.

b. Graduate and Professional:

Medical College of Virginia
Richmond, Virginia

Degree: MD Date Awarded: June 1967

2. POSTDOCTORAL TRAINING

a. Internship and Residencies:

Bellevue Hospital/New York University Medical School
Internship in Pediatrics
July 1967-June 1968

Bellevue Hospital/New York University Medical School
Residency in Pediatrics
July 1968-June 1969

Abraham Jacobi Hospital/Albert Einstein College of Medicine
Residency in Pediatrics
July 1969-June 1970

b. Research Fellowship

Boston Childrens' Hospital Medical Center/Massachusetts Poison Control Center
Fellow in Medical Toxicology
July 1979-September 1980

3. MILITARY:

LtCDR USNR, US Naval Dispensary, Keflavik, Iceland July 1970-June 1972

4. LICENSURE:

Virginia 1967, inactive
New York 1968-, inactive
New Jersey 1972-current

5. CERTIFICATION:

Pediatrics: 1972 (unlimited)
Medical Toxicology: 1981 (unlimited), 1996

6. NARCOTIC CERTIFICATION:

- a. Federal: up to date
- b. State: up to date

7. UNIVERSITY APPOINTMENTS:

University of Medicine and Dentistry-New Jersey Medical School
Department of Pediatrics, Assistant Professor 1972
Department of Pediatrics, Associate Professor of Clinical Pediatrics 1982-98
Department of Preventive and Community Medicine, Associate Professor of
Clinical Preventive Medicine and Community Health 1982-1996
Department of Pediatrics, Associate Professor of Pediatrics 1998-
Department of Preventive and Community Medicine, Professor 7/2002-

8. HOSPITAL APPOINTMENTS

Department of Pediatrics
Newark Beth Israel Medical Center
Attending 1972-
Department of Pediatrics and Medicine
University of Medicine and Dentistry of New Jersey-University Hospital
Attending 2002-

9. **PRINCIPAL CLINICAL AND HOSPITAL SERVICES RESPONSIBILITIES:** none

10. **MAJOR ADMINISTRATIVE RESPONSIBILITIES**

Title: Executive and Medical Director
Department: NJ Poison information and Education System
Dates: February 1983-current

11. **OTHER PROFESSIONAL POSITIONS AND MAJOR VISITING APPOINTMENTS**

CHAIRMAN, Accident Prevention and Safety Committee, New Jersey
Chapter American Academy of Pediatrics. 1984 – 1994
DISTRICT COUNCILMAN, New Jersey Chapter American Academy of
Pediatrics. 1984 – 1990
MEDICAL DIRECTOR. Institute for Child Study, Kean College, Union, NJ.
9/76 – 1986

ADJUNCT PROFESSOR. Montclair State College, Montclair, NJ, 9/72 – 6/78

MEMBER, Governor's Council on the Prevention of Mental Retardation.

MEMBER, New Jersey Emergency Medical Services Council, 1997-

MEMBER, Commissioner's Task Force on Occupational Medicine, 1991-

MEMBER, Bioterrorism Surveillance and Epidemiology Advisory Group, NJ Department of Health and Senior Services, originally called MEDPREP then morphed into HEPAC, 1999--

MEMBER, City of Newark, Metropolitan Medical Response System, Steering Committee, Surveillance Subcommittee, 2001-

Chairman, NJ Physicians' Lead Poisoning Prevention Committee.

Member, NJ Department of Human Services, Drug utilization Review Board

Member, NJ Department of Environmental protection, Scientific Advisory Board, Public Health Subcommittee

12. AWARDS AND HONORS

Ellenhorn Award in Medical Toxicology awarded at the North American Congress of Clinical Toxicology, September 2009.

Community Hero Award presented by the Women in Support of United Way of Essex and West Hudson at their 12th Annual Night of Miracles Gala. May 2009.

Lifetime Achievement Award presented by Department of Health and Senior Services, City of East Orange October 26, 2005.

Certificate of Appreciation and Achievement, New Jersey Public Health Service Award, New Jersey Department of Health, October 11, 1995

Award of Appreciation for role as Chairperson of the Data and Quality Assurance Subcommittee of the Governor's Council on Emergency Medical Services, 1989, from New Jersey Department of Health

Certificate of Appreciation for service on the Governor's Council on Emergency Medical Services, September 1986-December 1988, from New Jersey Department of Health

13. BOARDS OF DIRECTORS/TRUSTEES

MEMBER, Board of Directors, United Cerebral Palsy of Northern New Jersey, East Orange, New Jersey. 1978 – 1991

MEMBER, Board of Health, Township of the Village of South Orange, New Jersey. 1981-1984, 1987 – 1992, President, 1991-1992.

MEMBER, Medical Advisory Board, Community Nursing Service of Essex and West Hudson. 1972 – 1984.

14. MAJOR COMMITTEE ASSIGNMENTS

- a. International; none
- b. National:

American Association of Poison Control Centers, Legislation Committee,
Council of Medical Directors, Managing Directors Committee
VOIP/Cell phone subcommittee

Ethics Committee

c. Medical School

Interviewer for Office of Admissions 1999-

Committee on Academic Policies and Procedures: 2002-2005.

d. Hospital:

Newark Beth Israel Medical Center: Institutional Review Board

Utilization Review, Medical Records, Institutional Ethics Committee,

Pediatric Ethics Committee, Credentials Committee, Pharmacy and

Therapeutics. 1972-2001

e. Department of Preventive Medicine and Community Health:

Curriculum committee

f. Editorial Board

Poisindex 1982-2002

Advances in Therapy. Published by Health Communications, Inc.,

Metuchen, NJ Director of Editorial Board S. Evert Svenson, MD 1990-

Ad hoc reviewer: Clinical Toxicology

EPIC: in office training for prevention of lead poisoning, joint effort of NJ

Chapter of American Academy of Pediatrics and NJ DHSS

g. Ad hoc reviewer: J Clinical Toxicology, J Medical Toxicology, Pediatrics,

Human and Experimental Toxicology

15. **MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:**

Member of:

American Medical Association

Medical Society of New Jersey

American Academy of Clinical Toxicology

American College of Medical Toxicology

American Academy of Pediatrics

American College of Emergency Medicine

American Association for the Advancement of Science

International Society of Toxinology

American Public Health Association

American College of Preventive Medicine

16. **MAJOR RESEARCH INTERESTS:**

Heavy metal toxicology

Systems approach to emergency medical services

17. **GRANT HISTORY** As of April 2011, support generated since the beginning of NJPIES =>\$60 million

a. Principal Investigator

1. New Jersey Poison Information & Education System 1983-current, \$300,000-\$587,000 from New Jersey State Department of Health and Senior Services, annually

2. New Jersey AIDS/STD Hotline 1988-current, \$300,000-437,900 from New Jersey State Department of Health and Senior Services annually
3. New Jersey Poison Information and Education System, 2001-current \$413,007-786,000 from US Department of Health, Maternal and Child Health, Health Resources and Services Administration grant for Poison Control Stabilization and Enhancement
4. Developing Regional Poison Control Centers, competitive grant from McNeil Laboratories, 1983, \$75,000
5. RADARS, surveillance of narcotic use and diversion in NJ, \$60,850, Denver Health Medical Center. 2005-current

b: Co-Investigator; none

18. MAJOR TEACHING EXPERIENCE

a. Invited Lectures:

- 1) Lead Poisoning at the Jersey City Health Department First Annual Seminar, June 16, 2011
- 2) Capital Health Systems: Medical Grand Rounds: Ethylene Glycol Poisoning
- 3) July 13, 2010: Hunterdon Medical Center: Use of Lipid Emulsions in OD
- 4) Visiting Professor: Forging Cooperation Between Poison Control Centers and the FDA. October 6, 2008 at FDA, Silver Springs, MD.
- 5) North American Congress of Clinical Toxicology:
 - a. Murder in the ICU: The Cullen Case, presented to the Toxicology Historical Society.
 - b. Chu AF, Ruck B, Marcus S. "Poison Control Centers' Role in the Glow Product-Related Outbreak Detection: Implications for Comprehensive Surveillance System." *Clin Tox* (2008) 46:601.
 - c. Calello DP, Chinnakaruppan N, Fleischer G, Marcus S. "Are We Ready for Prime Time? Prenatal Lead Screening.." *Clin Tox*. (2008) 46:608.
 - d. Kapadia KJ, Marcus SM, Ruck BE, Rella JG. "Ethanol-Induced Transient Myocardial Dysfunction in a Three Year Old." *Clin Tox* (2008) 46:609.
 - e. Hansen CK, Kashani J, Ruck B, Marcus S. "Validation of Putative Substances Involved in Fatal Poisonings." *Clin Tox* (2008) 46:610.
 - f. Cocuzza T, Ruck B, Marcus S, Rella JG. "Inappropriate Use of Physostigmine in TCA Toxicity: An Online Medical Reference May Be Partially Responsible." *Clin Tox* (2008) 46:613.
 - g. Spyker DA, Marcus AC, Rumack BH. "Secular Trends in Adverse Exposure Outcomes from the National Poison Data System, 2000-2007. *Clin Tox* (2008) 46:615.
 - h. Chu AF, Ruck B, Rego GR, Marcus S. "Incomplete Calls-How Bad is it?" *Clin Tox* (2008) 46:618.
- 6) Doctor, am I contaminated with Polonium? Case report, methods of analysis and general principles of value to the nuclear medicine physician

- in the wake of the Litvinenko poisoning. Co-author, presentation at the Society for Nuclear Medicine's 55th meeting, June 2008
- 7) Congenital Lead Poisoning Discovered by Routine Screening of a High Risk Pregnant Woman. Co-Author, presented to the Eastern Society for Pediatric Research, Philadelphia PA, April 2008.
 - 8) Participant in Buprenorphine Summit: National Institute for drug Abuse and Substance Abuse and Mental Health Services Administration, February 2008.
 - 9) In School Drug Testing, To Test or Not to Test, Pediatric Grand Rounds, Newark Beth Israel Medical Center, January 2008.
 - 10) In School Drug Testing, To Test or Not to Test, American Academy of Pediatrics, New Jersey Chapter, Committee on School Health. Fall 2007 annual meeting.
 - 11) Case Studies and Lessons Learned, Consultation and Debriefing on the Response to Fentanyl-related Overdoses and Deaths. August 2007. US Department of Health and Human Services, Substance Abuse and mental health Services Administration.
 - 12) Poison Control involvement in bioterrorism. New Jersey Department of Health and Senior Services 7 regional meetings with laboratory directors and other public health agencies.
 - 13) Toxicology of Cultural medicine, Grand Rounds, Jersey Shore Medical Center.
 - 14) Lead Poisoning, regional presentations to public health nurses sponsored by the NJ State Department of Health and Senior Services.
 - 15) North American Congress of Clinical Toxicology October 2006, San Francisco. Surge Capacity: A Natural Experiment. "Poster Session."
 - 16) My last Tandori Chicken: ethnic and alternative medicine products and lead poisoning. St Peter's Medical Center. Dept of Medicine Grand Rounds. August 2006.
 - 17) Lead poisoning, current treatment. St Joseph's Medical Center, Dept of Pediatrics Grand Rounds May 2006.
 - 18) Lead poisoning at the Association for Retarded Citizens of New Jersey Annual Meeting, Princeton, NJ. June 2006.
 - 19) Hugh E. Evans Legacy Award Grand Rounds. Pediatric Grand Rounds NJ Medical School April 2006
 - 20) Legacy ion the pot: Lead poisoning in 2005. Newark Beth Israel Medical Center, Pediatric Grand Rounds Oct 2005:
 - 21) North American Congress of Clinical Toxicology, Orlando Florida
 - 22) Senior author: Hoffman RS et al. "Multistate Outbreak of Clenbuterol Contaminated Heroin and Cocaine." *Clinical Toxicology* (2005) 43(6):683-684.
 - 23) Senior author: Vassilev Z et al. "The Impact of a Poison Control Center on the Length of Hospital Stay for Patients with poisoning." *Clinical Toxicology* (2005) 43(6):685.
 - 24) Marcus S. "Clinical Botulism in a Patient Receiving Unlicensed Botulinum Type A Toxin." *Clin Tox* (2005) 43(6):724.

- 25) Senior author: Casa R, Ruck B, Marcus S. "A Case of Diethylene Glycol Ingestion Treated Successfully with Blocking Therapy and Dialysis. ." Clin Tox (2005) 43(6)741
- 26) Senior author: DeBellonia R, Marcus S, Ruck B, Rella J, Shih R. "Curandismo: Consequences of Folk Medicine. ." Clin Tox (2005) 43(6)704
- 27) Senior author: Rella JG, Marcus S, Wagner BJ. "Rapid Detection of Cyanide in Blood Using the Cyantesmop Kit. ." Clin Tox (2005) 43(6)687.
- 28) Sept 2005. 9th Annual Family Medicine Board Review: Managing Exposure to Chemical Agents
- 29) June 2005. Medicaid's Lead Poisoning Screening Initiative-Why Test for Lead. Meeting of service representatives of HMOs sponsored by NJ Department of Human Services.
- 30) May 2005. Poison Pot Pourri, Jersey City Medical Center, Pediatric Grand Rounds.
- 31) May 2005. Poison Pot Pourri. NJ State Medical Examiners Office, Grand Rounds.
- 32) May 2005. Poison Pot Pourri, NJ Chapter, American College of Emergency Medicine Annual Meeting.
- 33) March 2005, Weapons of Convenience. Atlantic Regional Osteopathic Association Annual Meeting.
- 34) March 2005, Poison Pot Pourri, Virtua, Burlington Memorial Hospital, Grand Rounds, Department of Emergency Medicine.
- 35) March 2005, Lead Poisoning, St Barnabas Medical Center, Grand Rounds, Department of Pediatrics.
- 36) January 2005, Poison Pot Pourri, Hunterdon Medical Center, Grand Rounds, Department of Medicine.
- 37) warren Hospital Grand Rounds: renal failure from phosphatidyl choline infusion in an alternative medicine clinic.
- 38) Multi-disciplinary Case Presentation, Lead Poisoning. Jersey City Medical Center, Department of Pediatrics.
- 39) May 2004: Rounds, EOSHI, UMDNJ/RWJ Medical School, Piscataway, NJ. Poison Pot Pourri.
- 40) March 2004: Grand Rounds, Medical ICU. Muhlenberg Regional Medical Center, Plainfield, NJ. Salicylate Poisoning.
- 41) March 2004: Rounds, Regional NJ Medical Examiner, Newark, NJ. Poison Pot Pourri.
- 42) June 2004. Preventing Lead Poisoning, Primary Prevention is the Answer. Annual Lead Poisoning Symposium. Gateway Maternal Consortium. Newark, NJ.
- 43) Poster Presentation at North American Congress of Toxicology, Sept 2003. Chicago, Ill
- 44) Completion of whole bowel irrigation in pcc overdose patients
- 45) Rapid cyanide detection using the Cyantesmo-kit.

- 46) June 2003. A Poison Pot Pouri, Pediatric Grand Rounds, New Jersey Medical School.
- 47) June 2003. Acetaminophen Overdose, Emergency Department Rounds, Hackensack University Medical Center.
- 48) April 2003 Acetaminophen Poisoning, Medical Grand Rounds, Columbus Hospital, Newark, NJ
- 49) Poster Presentations at the North American Congress of Clinical Toxicology, September 2002
- 50) two cases of suspected saxitoxin poisoning from puffer fish ingestion
- 51) Faulty backflow valves leading to contaminated potable water and toxicity.
- 52) Keynote address: Annual Meeting of the NJ State pesticide Applicators Association. Cooke College, August 2002
- 53) April, 2002, Visiting Professor, Meridian Health Systems, Jersey Shore Hospital, Suicide by Oleander Ingestion.
- 54) October, 2001 Poster presentations at the North American Congress of Clinical Toxicology
- 55) Compliance with PCC Recommendations: Discontinuation of NAC
- 56) Osmolar Gap as Toxic Alcohol Surrogate: Testing the Test
- 57) July 20, 2000, St Clare's Hospital, Denville, NJ. Ethylene Glycol Poisoning.
- 58) March 28, 2000, EOSHI, UMDNJ/RWJ Medical School, Bio-terrorism, Chemical Warfare.
- 59) November 3, 1999, St. Mary's hospital, Hoboken, NJ, Pediatric Grand Rounds, Lead Poisoning II
- 60) October 20, Montville Township School district, Parent Conference, Lead in Drinking Water
- 61) October 14, 1999, Memorial Hospital of Burlington County, Emergency Department Conference, Party Drugs
- 62) October 6, 1999, St. Mary's Hospital, Hoboken NJ, Lead Poisoning I.
- 63) August 24, 1999, Jersey Shore Medical Center, Visiting Professor of Medicine
- 64) June 18, 1999, Clara Maas Hospital, Pediatric Grand Rounds, Toxicology Update.
- 65) May 20, 1999, State of NJ, Department of Law Safety, Domestic Preparedness and Emergency Response Conference, Chemical Warfare.
- 66) April 16, 1999, Monmouth Medical Center, Visiting Professor of Pediatrics
- 67) March 11, 1999, Ross Laboratories, Columbus Ohio, Infantile Methemoglobinemia.
- 68) December 16, 1998, Newark Beth Israel Medical Center, Pediatric Grand Rounds, A child with sudden alteration in mental status.
- 69) November 16, 1998, Monmouth Regional Health Department, Jimson Weed Toxicity
- 70) October 20, 1998, Broad National Bank, Home safety

- 71) October 6, 1998, EOSHI, New Jersey Poison Information and Education System, Objectives, Mission, Case Presentations
- 72) September 1998, North American Congress of Clinical Toxicology
Poster Presentations:
 - 73) Barium styphanate
 - 74) Diflunisol overdose false positive salicylate
 - 75) Lead Poisoning and the syndrome of inappropriate ADH
 - 76) Parental Knowledge regarding new NJ lead poisoning screening law
 - 77) Mercury poisoning via peritoneal contamination
- 78) July 9, 1998, Morristown Memorial Hospital Pediatric Grand Rounds, Lead Poisoning
- 79) May 5, 1998, NJ ACEP Meeting, The Effects of n-Acetyl Cysteine on Prothrombin Times of Normal Volunteers
- 80) April 4, 1998, Mid-year Medical Directors Meeting, American Association of Poison Control Centers, Telemedicine Update
- 81) March 25, 1998, Auxillary of Newark Beth Israel Medical Center, luncheon address, Preventing Household Poisonings
- 82) December 17, 1997, Memorial Hospital of Burlington County, Emergency Department Grand Rounds, Current Issues in Toxicology
- 83) November 11, 1997, JFK Hospital, Edison NJ, Pediatric department Grand Rounds, Lead Poisoning
- 84) October 28, 1997, Emergency Department Grand Rounds, Newark Beth Israel Medical Center, Winter Vacation Dangers
- 85) October 15, 1997, Pediatric Grand Rounds, Hackensack Hospital, Lead Poisoning.
- 86) September 4, 1997, New Jersey Society of Critical Care Medicine, Current Concepts in Toxicology.
- 87) July 30, 1997, Pediatric Conference, Documentation Essentials, Newark Beth Israel Medical Center.
- 88) May 29, 1997, Emergency Department Meeting, Initial Management of the Poisoned Patient.
- 89) April 16, 1997, Emergency Department Rounds, Initial Treatment of the Poisoned Patient
- 90) April 1, 1997, Newark Rotary Club, Protecting your houshold from poisonings.
- 91) March 11, 1997, Pediatric Grand Rounds, Lead Poisoning, Saint Barnabas Medical Center
- 92) March 11, 1997, Pediatric Grand Rounds, Lead Poisoning, Muhlenberg Regional Medical Center
- 93) February 11, 1997, Combined Pediatrics and Psychiatry Grand Rounds, Drug Induced Hepatitis, Elizabeth General Medical Center
- 94) January 9, 1997. General Toxicology, Elizabeth General Medical Center, Pediatrics department
- 95) Marcus, S, Jennis, T, Ruck, B, Shih, R. "Toxicity of Pesticide Paint Additives." The North American Congress of Clinical Toxicology, Portland, Oregon, October, 1996.

- 96) Tschekunow, H, Delgado, P, Shih, R, Jennis, T, Ruck, B, Marcus, S. "Sulfhemoglobinemia With Metoclopramide Therapy in a Patient Receiving N-Acetylcysteine (NAC)." The North American Congress of Clinical Toxicology, Portland, Oregon, October, 1996.
- 97) Shih, R, Podyazik, PM, Marcus, SM. "Methotrexate Induced Pancytopenia Treated With Granulocyte Stimulating Factor." The North American Congress of Clinical Toxicology, Portland Oregon, October, 1996.
- 98) Marcus, S, Jennis, T, Shih, R. "Syndrome of Inappropriate Secretion of Antidiuretic Hormone Complicating Childhood Lead Poisoning. A Case Report." The North American Congress of Clinical Toxicology, Portland, Oregon, October, 1996.
- 99) Marcus, S, Okose, P, Jennis, T, Honcharuk, L. "Untoward Effects of Oral Dimercaptosuccinic Acid in the Treatment of Lead Poisoning." AAPCC/AACT/ABMT/Scientific Meeting, Toronto, September 1991, Vet. Human Tox. (1991)
- 100) Honcharuk, L, Marcus, S. "Telephone Mishap: Indication for a Country-Wide Toll Free Number." AAPCC/AACT/ABMT/Scientific Meeting, Toronto, September 1991. Vet. Human Tox (1991)
- 101) Honcharuk, L, Saleem, G, Rone, D, Marcus, S. "An Effective Quality Assurance Program." AAPCC/AACT/ABMT/Scientific Meeting, Toronto, September 1991. Vet. Human Tox (1991)
- 102) Rone, D, Honcharuk, L, Marcus, S. "Unknown Nontoxic: Is Follow-Up Required?" AAPCC/AACT/ABMT/Scientific Meeting, Toronto, September 1991. Vet. Human Tox. (1991)
- 103) Montalvan, J, Okose, P, Marcus, S. "Outpatient Treatment of 24 Patients With Lead Intoxication by Dimercaptosuccinic Acid." AAPCC/AACT/ABMT/Scientific Meeting, Tucson, Arizona, September 1990. Vet. Human Tox. (1990) 32:343.
- 104) Pawel, B, Montalvan, J, Okose, P, Marcus, S. "Utilization of a Regional Poison Information Center...Do Parents Take Full Advantage of the Services?" AAPCC/AACT/ABMT/Scientific Meeting, Tucson, Arizona, September 1990. Vet Human Tox. (1990) 32:357.
- 105) Okose, P, Marcus, S. "Lead Toxicity in the Anephric State: A Case Report: A Model for the Action of Chelators?" AAPCC/AACT/ABMT/Scientific Meeting, Tucson, Arizona, September 1990. Vet. Human Tox. (1990) 32:366.
- 106) Klug, S, Saleem, G, Honcharuk, L, Marcus, S. "Toxicity Potential of Poinsettia: Is the Plant Really Toxic?" AAPCC/AACT/ABMT/Scientific Meeting, Tucson, Arizona, September 1990. Vet. Human Tox. (1990) 32:368.
- 107) Marcus, SM. "The Approach to the Poisoned Patient." Grand Rounds, Hunterdon Medical Center, July 27, 1990.
- 108) Marcus, SM. "Poison Control." Grand Rounds Union Hospital, June 12, 1990.

- 109) Marcus, SM. "Poison Control." Medical Staff Meeting, John F. Kennedy Medical Center, June 12, 1990.
- 110) Marcus, SM. "Modern Medical Management." Building Solutions Together Second Annual Lead Poisoning Prevention Conference sponsored by NJ Department of Environmental Protection and NJ Department of Health, New Brunswick, NJ, May 11, 1990.
- 111) Marcus, SM. "Poison Control." Medical Staff Meeting, Freehold Hospital, May 9, 1990.
- 112) Marcus, SM. "Poison Control." Hackensack Medical Center, May 8, 1990.
- 113) Tschekunow, H, Marcus, SM. "Poisoning with Mushrooms." Morristown Memorial Hospital, Emergency Medicine Residents, April 27, 1990.
- 114) Marcus, SM. "Poisoning with Tricyclic Antidepressants." Pediatric Grand Rounds, Morristown Memorial Hospital, Morristown, NJ, April 26, 1990.
- 115) Marcus, SM. "Open Forum, Lead Poisoning." Bayonne Health Department. March 20, 1990.
- 116) March, SM. "Lead Poisoning." UMDNJ/Robert Wood Johnson Medical School, Dept. of Environmental and Occupational Health. Jan. 23, 1990.
- 117) Carine D, Honcharuk, L, Smith P, Genser, A, Holland B, Marcus, S. "Location in Home of Products Involved in Ingestions Reported to a Regional Poison Control Center." Annual Meeting American Association of Poison Control Centers, October 11-15, 1989, Atlanta, Georgia.
- 118) Honcharuk, L, Marcus, S. "Dilution in Corrosive Ingestions: Primum Non-Nocere?" Annual Meeting American Association of Poison Control Centers, October 11-15, 1989, Atlanta Georgia.
- 119) Montalvan, J, Smith, P, Marcus, S. "Guillain-Barre Syndrome as a Presentation of Lead Poisoning." Annual Meeting American Association of Poison Control Centers, October 11-15, 1989, Atlanta Georgia.
- 120) Tschekunow H, Klug S, Marcus, S. "Symptomatic Poisoning From Ingestion of PIERIS Japonica: A Case Report." Annual Meeting American Association of Poison Control Centers, October 11-15, 1989, Atlanta, Georgia.
- 121) Jennis, T, Shannon, J, Woolf, A, Lovejoy, F, Holland, B, Marcus, S., "A Regional Poison Control System: Effect on Reponse to Hypothetical Poisonings, a Follow-Up Study." Annual Meeting American Association of Poison Control Centers, October 11-15, 1989, Atlanta, Georgia.
- 122) Marcus, SM. "Lead Poisoning." East Orange General Hospital, September 25, 1989.
- 123) Marcus, SM. "Lead Poisoning." Columbus Hospital. September 21, 1989.
- 124) Marcus, SM. "Lead Poisoning." St. Mary's Hospital. September 20, 1989.

- 125) Marcus, SM. "Lead Poisoning." JFK Medical Center, Edison, NJ, September 7, 1989.
- 126) Marcus, SM. "Lead Poisoning." St. James Hospital, Newark, September, 6, 1989.
- 127) Marcus, SM. "Lead Poisoning." Ancora Hospital, August 30, 1989.
- 128) Marcus, SM. "Lead Poisoning." Somerset Medical Center, May 24, 1989.
- 129) Marcus, SM. "Approach to the Poisoned Patient." JFK Medical Center, May 11, 1989.
- 130) Marcus, SM. "Lead Poisoning." Mercer Medical Center Grand Rounds, April 28, 1989.
- 131) Marcus, SM. "Lead Poisoning, Importance to the Educator." Jersey City State College Symposium on Special Education. March 23, 1989.
- 132) Marcus, SM. "Thorazine Overdose and Hepatic Failure." Medical Grand Rounds, Princeton Medical Center. March 23, 1989.
- 133) Genser, AS, Smith, P, Honcharuk, L, Marcus, SM. "Arsine Gas Toxicity: Two Occupational Exposures." American Association of Poison Control Centers Annual Meeting October 1-4, 1988, Baltimore, Maryland.
- 134) Genser, AS, Smith, P, Honcharuk, L, Marcus, SM. "Lithium Overdose, When to Dialyze? A Report of 28 Consecutive Cases." American Association of Poison Control Centers Annual Meeting October 1-4, 1988, Baltimore, Maryland.
- 135) Genser, AS, Smith, P, Honcharuk, L, Marcus, SM. "Imidazoline Containing Products, an Overlooked Hazard." American Association of Poison Control Centers Annual Meeting October 1-4, 1988, Baltimore, Maryland.
- 136) Smith, PS, Honcharuk, L, Genser, AS, Marcus, SM. "Haloperidol-Induced Seizures in a Child. A Case Report and Review of the Literature." American Association of Poison Control Centers Annual Meeting, October 1-4, 1988, Baltimore, Maryland.
- 137) Marcus, SM. "The Approach to the Poisoned Patient." Grand Rounds, Union Hospital, September 26, 1988.
- 138) Marcus, SM. "Pitfalls in Pediatric Poisoning." Pediatric Grand Rounds, Point Pleasant Hospital, Point Pleasant, NJ, December 18, 1987.
- 139) Marcus, SM. "Basic Toxicokinetics." Passaic County Pharmacy Association. October 26, 1987.
- 140) Marcus, SM. "Pitfalls in Pediatric Poisoning." Pediatric Grand Rounds, Monmouth Medical Center, Monmouth, NJ
- 141) Genser, AS, Marcus, SM. "Progressive Cardiac Conduction Defects Due to Amoxepine Overdose." Amer. Assoc. of Poison Control Centers Annual Meeting, Vancouver, September, 1987.
- 142) Marcus, SM. "Survival After Massive Arsenic Trioxide Ingestion." Amer. Assoc. of Poison Control Centers Annual Meeting, Vancouver, September 1987.

- 143) Genser, AS, Marcus, SM. "Amanita Mushroom Poisoning, An "Outbreak" of 10 Cases." Amer. Assoc. of Poison Control Centers Annual Meeting, Vancouver, September 1987.
- 144) Marcus, SM. "Basic Approach to Poisoning Treatment." Family Practice Rounds, Hunterdon Medical Center, Flemington, NJ, July 29, 1987.
- 145) Marcus, SM. "Fire Toxicology." NJ State Fireman's Association Annual Meeting, Atlantic City, NJ, February 19, 1987.
- 146) Marcus, SM. "Environmental Causes of Mental Retardation." Prevention of Developmental Disabilities Seminar, Jewish Rehabilitation Hospital, Jersey City, NJ, December 9, 1987.
- 147) Marcus, SM. "Drugs of Abuse." Grand Rounds, Family Practice, St. Mary's Hospital, Hoboken, NJ, May 30, 1986.
- 148) Marcus, SM. "New Jersey's Lead Problem-Overview" The Problem of Lead Poisoning: Social, Familial, Environmental or _____?? Trenton Health Department Symposium, May 12, 1986.
- 149) Marcus, SM, Bekersky, I, Popick, A. "Kinetics of Therapeutic Salicylates in Patients with Kawasaki's Disease." Am. Ped. Soc./Soc. for Ped. Res. Meeting Wash., DC, May 1986.
- 150) Marcus, SM. "Acute Management of Poison Victims." Symposium: Life-Threatening Crisis in the Emergency and Intensive Care Units, May 3, 1986. UMDNJ-Rutgers Medical School.
- 151) Honcharuk, LJ, Marcus, SM. "Effect of Telephone Education." American Association of Poison Control Centers/American Academy of Clinical Toxicology/American Board of Medical Toxicology, Kansas City, Missouri, 1985.
- 152) Honcharuk, LJ, Marcus, SM, Whitehead, B. "Interference of Alcohol-Containing Asthma Medications with Breathalyzer Analysis." American Association of Poison Control Centers/American Academy of Clinical Toxicology/American Board of Medical Toxicology, Kansas City, Missouri, 1985.
- 153) Marcus, SM, Prach, M. "Effects of Alcohol on Driving Ability. A Personal Experience." American Association of Poison Control Centers/American Academy of Clinical Toxicology/American Board of Medical Toxicology, Kansas City, Missouri, 1985.
- 154) Honcharuk, LA, Marcus, SM, Whitehead, B. "Utilization of a Regional Poison Control Center: Indicators of Saturation." American Association of Poison Control Centers/American Academy of Clinical Toxicology/American Board of Medical Toxicology, Kansas City, Missouri, 1985.
- 155) Rosenblatt, JS, Marcus, SM, Whitehead, B. "Utilization of a Regional Poison Control Center: Indicators of Saturation." American Association of Poison Control Centers/American Academy of Clinical Toxicology/American Board of Medical Toxicology, Kansas City, Missouri, 1985.

- 156) Marcus, SM, Whitehead, B, et.al. "Tricyclic Antidepressant Overdoses...Whose Drug? Who Prescribed It?" American Association of Poison Control Centers/American Academy of Clinical Toxicology/American Board of Medical Examiners Annual Meeting, San Diego, California, October 1984.
- 157) Marcus, SM. Panel Discussant. "Legal Responsibilities of Regional Poison Control Centers." AAPCC/AACT/ABMT Annual Meeting San Diego, California, October, 1984.
- 158) Marcus, S. "Lead Poisoning and Mental Retardation." Address before the North Jersey Chapter Association for Retarded Citizens. September 1984.
- 159) Marcus, S. "Practical Aspects of Pediatric Toxicology." Pediatric Grand Rounds, Mountainside Hospital, Montclair, NJ, June, 1984.
- 160) Marcus, SM. "Using The Computer for Literature Searching." Annual Meeting, Medical Society of New Jersey, Atlantic City, NJ, May 1984.
- 161) Marcus, S. "Accident Prevention – The Pediatricians Role." Pediatric Grand Rounds, Elizabeth General Hospital Medical Center, Elizabeth, NJ, April, 1984.
- 162) Marcus, S. "Acute Toxicology of Street Drugs." Annual Symposium, New Jersey Poison Information and Education System, Newark, NJ, March, 1984.
- 163) Marcus, S. "Acute Tricyclic Antidepressant Overdose.", Pediatric Grand Rounds, Perth Amboy General Hospital, February 1984.
- 164) Marcus, SM. "Lead Poisoning – Delayed Effects." Pediatric Grand Rounds, Children's Medical Center, Dallas, Texas, October, 1983.
- 165) Marcus, SM. "Medical Information Data Networks." Symposium on Computers and Medicine: An Overview, Newark, NJ, October, 1983.
- 166) Marcus, SM, Whitehead, B, Ziskin, L, Bruschi, D, Payne, D. "Development of a Regional Poison Control System Utilizing a Unique System for Financial Support." Poster Session, Amer. Assoc. of Poison Control Centers/Amer. Acad. Clin Tox/Amer. Bd. Med Tox Annual Meeting, Boston, Mass, 1983.
- 167) Santiago, M, Charnock, R, Whitehead, B, Marcus, S. "Toxicity of EDTA in Treating Lead Poisoning: IM vs. IV." Platform Session, Amer. Assoc. of Poison Control Centers/Amer. Acad. Clin Tox/Amer. Bd. Med. Tox. Annual Meeting, Boston, Mass., 1983.
- 168) Marcus, SM, Purn, J. "Effect of Lead Poisoning on Auditory Brain-Stem Evoked Potentials." Plenary Session, World Congress of Toxicology, Snowmass, Colorado, 1982.
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- 170) Marcus, SM. "Efficacy of Poison Prevention Stickers." Poster Session, World Congress of Toxicology, Snowmass, Colorado, 1982.
- 171) Marcus, SM. "Lead Poisoning-Clinical Correlates." Symposium for State-Wide Health Officers and Other Healthcare Providers sponsored by Department of Health, State of New Jersey, 1982.

- 172) Marcus, SM. "Lead Poisoning." Pediatric Grand Rounds, Brooklyn Jewish Hospital, February 1982.
- 173) Marcus, SM, Chafee-Bohamon, C, Arnold, W, Lovejoy, F. "Effect of Regional Poison Control System on Response Incidents." Platform Session, Amer. Acad. Of Clin Tox/Amer Assoc of Poison Control Centers/Amer Board of Med. Toxicology, Annual Meeting, Salt Lake City, Utah, August, 1981.
- 174) Marcus, SM. "Influence of Heavy Metal Poisoning on Learning." Ontario Association for Learning Disabilities, Annual Meeting, Toronto, Canada, 1981.
- 175) Marcus, SM. "Relating to the Medical Profession." Regional Meeting, US DHEW, Cleveland, Ohio, 1980.
- 176) Marcus, SM. "Influence of Heavy Metal Poisoning on Mental Retardation." Association for Children with Learning Disabilities, International Meeting, Milwaukee, Wisconsin, 1980.
- 177) Marcus, SM. "Lead Screening in the Prevention of Mental Retardation." NJ Assoc. for Retarded Citizens, Annual Meeting, 1979.
- 178) Marcus, SM. "Experience with Oral Lead Chelation with D-Penicillamine." Society for Pediatric Research/American Pediatric Society, 1979.
- 179) Marcus, SM. "Childhood Lead Poisoning." Greater Newark Health Planning Agency Conference, 1976. Marcus, SM. "Childhood Lead Poisoning: A Preventable Disease." Greater Newark Health Planning Agency Conference, 1975.

b. Research Training (former fellows)

Leslie Reyes-Ramos MD
 Alan Genser MD
 Jorge Montalvan MD
 Peter Okose, MD
 Paul Smith, MD
 Ebrahim Karkavandian, DO

c. Facilitator in Department of Family Medicine, UMDNJ/NJMS, The Art of Medicine 2000-

19. PRIVATE PRACTICE:

Consultations in Medical Toxicology, at Newark Beth Israel Medical Center and University Hospital, New Jersey Medical School.

20. ARTICLES:

- 1. Marcus, SM. "Poison Prevention: Engineering in primary prevention." *Clinical Toxicology* (2012) Jan;50(1)25-6.
- 2. Hansen CK, Kashani J, Ruck B, Marcus S. Analysis and Validation of Putative Substances Involved in Fatal Poisonings. ***Journal of Medical Toxicology: Volume 8, Issue 2 (2012), Page 94-100. (DOI) 10.1007/s13181-011-0191-1***

3. Chinnakaruppan NR, **Marcus SM**. Asymptomatic Congenital Lead Poisoning-Case Report. Clinical Toxicology. (2010) 48(6) 563-5.
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6. **Marcus SM**. "Reflections on the care of a patient severely poisoned by "rogue" botulinum toxin and rendered paralysed for a protracted hospital stay." The Botulinum J.(2009) 1(3)318-339.
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9. Chu A, , **Marcus SM**, Ruck B. "Poison Control Centers' Role in Glow Product-Related Outbreak Detection: Implications for a Comprehensive Surveillance System" Prehospital and Disaster Medicine Journal, (2009) Volume 24 (1):68-72
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12. Hoffman RS, Kirrane BM, **Marcus SM** et al. "A Descriptive Study of an Outbreak of Clenbuterol-Containing Heron." Annals Emergency Medicine Med (2008) November 52(5) 548-53
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14. Vassilev ZP. **Marcus SM**. "The impact of a poison control center on the length of hospital stay for patients with poisoning." Journal of Toxicology and Environmental Health, Part A (2007)70:107-110.
15. Vassilev ZP, Kashani J, Ruck B; Hoffman RS, **Marcus SM**. "Poison Control Center Surge Capacity During an Unusual Increase in Call Volume-Results of a Natural Experiment." Prehospital and Disaster Medicine. 2007.Jan-Feb;22(1)55-8.
16. Souayah N, Karim H, Kamine S, McArdle J, **Marcus S**. "Severe botulism after focal injection of botulinum toxin." Neurology. (2006) 67:1855-6
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21. BOOKS, MONOGRAPHS and CHAPTERS:
- a. Marcus S. Toxicity, Arsenic. eMedicine from WebMD. Updated September 21, 2010. Available at: <http://emedicine.medscape.com/article/812953-overview>

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22. ABSTRACTS:

- a. Chu AF, Ruck B, Marcus S. "Poison Control Centers' Role in the Glow Product-Related Outbreak Detection: Implications for Comprehensive Surveillance System." Clin Tox (2008) 46:601.
- b. Calello DP, Chinnakaruppan N, Fleischer G, Marcus S. "Are We Ready for Prime Time? Prenatal Lead Screening.." Clin Tox. (2008) 46:608.
- c. Kapadia KJ, Marcus SM, Ruck BE, Rella JG. "Ethanol-Induced Transient Myocardial Dysfunction in a Three Year Old." Clin Tox (2008) 46:609.
- d. Hansen CK, Kashani J, Ruck B, Marcus S. "Validation of Putative Substances Involved in Fatal Poisonings." Clin Tox (2008) 46:610.
- e. Cocuzza T, Ruck B, Marcus S, Rella JG. "Inappropriate Use of Physostigmine in TCA Toxicity: An Online Medical Reference May Be Partially Responsible." Clin Tox (2008) 46:613.
- f. Spyker DA, Marcus AC, Rumack BH. "Secular Trends in Adverse Exposure Outcomes from the National Poison Data System, 2000-2007. Clin Tox (2008) 46:615.
- g. Chu AF, Ruck B, Rego GR, Marcus S. "Incomplete Calls-How Bad is it?" Clin Tox (2008) 46:618.
- h. Vassilev ZP, Adams , Chu A, Marcus SM. ""Adverse Drug Reaction Hospitalization Index: A Comparison of the Most Frequently Implicated Therapeutic Groups" presented at the 24th International Conference on

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- i. Vassilev ZP, Kashani J, Ruck B; Hoffman RS, Marcus SM. Poison Control Center Surge Capacity During an Unusual Increase in Call Volume-Results of a Natural Experiment. *Prehospital and Disaster Medicine*. NACCT October 2006.
- j. Kirrane BM, Johnson-Arbor K, Halcomb SE, Chan GM, Ford M, Gindburg BY, Marcus S, Hoffman RS, use of Beta-Adrenergic Antagonists in Acute Clenbuterol Poisoning. *Clinical Toxicology* (2006)44 :475-476. presented at European Association of Poison Centres and Clinical Toxicologists XXVI International Congress..
- k. Hoffman RS et al. "Multistate Outbreak of Clenbuterol Contaminated Heroin and Cocaine." *Clinical Toxicology* (2005) 43(6)683-684.
- l. Vassilev Z et al. "The Impact of a Poison Control Center on the Length of Hospital Stay for Patients with poisoning." *Clinical Toxicology* (2005) 43(6):685.
- m. Rella JG et al. "Rapid Detection of Cyanide in Blood Using the Cyantesmo Kit." *Clinical Toxicology* (2005) 43(6):687.
- n. DeBellonia RR et al. "Curandismo: Consequences of Folk Medicine." *Clinical Toxicology* (2005) 43(6): 704.
- o. Marcus SM. "Clinical Botulism Syndrome in a Patient Receiving Unlicensed Botulinum Type A Toxin." *Clinical Toxicology* (2005) 43(6)::196.
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- q. Vasseliv Z et al. "Case of Elevated Blood Lead in a South Asian Family that Has Used Sindoor as a Food Coloring." *Clinical Toxicology* (2004) 42(5):172-3.
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23. REVIEWS:

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- f. Marcus, S. "Bleach" *Clin. Tox. Rev.* (1986) 8:No.10.

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- h. Marcus, SM. "A Case for Controlled Release Drugs in Pediatric Practice." *Adv. In Therapy* (1984) 1:159-171.
- i. Lewis, CR, Titelbaum J, Marcus S. "Pediatric Team Approach to Violent Early Bereavement." *J. Med. Soc. NJ* (1983) 80:117-120.
- j. Marcus, SM. "Hydrogen Sulfide." *Clin.Tox. Rev.* (1983) 5:1-2.
- k. Marcus, SM. "Lithium Poisoning." *Clin. Tox. Rev.* (1982) 2:1-2.
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24. REPORTS:

- a. Calello DP, Marcus SM, Lowry J. "2010 Pediatric fatality review of the National Poison Center database;results and recommendations." *Clin Toxicol* 2012 Jan;50(1025-6).
- b. Perrone J, Marcus SM, Blando JD et al. "Neurologic Illness Associated with Occupational Exposure to the Solvent 1-Bromopropane --- New Jersey and Pennsylvania, 2007—2008" *MMWR* December 5, 2008. 57(48)1300-1302.
- c. Hoffman RS, Nelson LS, Chan GM et al. "Atypical Reactions Associated with Heroin Use-Five States, January-April 2005." *MMWR* August 19, 2005 54(32)793-796.
- d. Szucs PA, Shih RD, Marcus SM, Leff K, Delgado P. "Pseudosalicylate poisoning:falsely elevated salicylate levels in an overdose of diflunisal." *Am J Emerg Med.* (2000) 18(5):641-2
- e. Shih, R, Marcus, SM, Genese, CA, Manley, BN, Kolano, KS, Spitalny, KC, Sorhage, F, Waterson, B, Clayton, F. "Methemoglobinemia Attributable to Boiler Fluid Additives." *New Jersey*, (1992 and 1996) March 1997; 46(9): 202-204.
- f. Ruck B, Shih RD, Marcus SM. "Hypertensive crisis from herbal treatment for impotence." *Am J Emerg Med.* (1999) 17(3):317-8
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25. PATENTS HELD:

NONE

26. LETTERS:

- a) Marcus SM. "Reducing Opioid Abuse and Diversion." JAMA (2011) 306(4) 381.
- b) Marcus SM "Accidental death from take home methadone maintenance doses: A report of a case and suggestions for prevention." Child Abuse & Neglect. (2011) 35 (1) 1-2.
- c) Vassilev ZP, Marcus SM. "Paintball injuries in children: the cases managed out of hospitals" Pediatrics. (2004) May;113(5):1468
- d) Hernandez EM, Rella J, Ruck B, Marcus S. "Hospitals should keep methylene blue." Am J Health Syst Pharm. (2004) Apr 15;61(8):842
- e) Vassilev ZP, Marcus SM. "Adverse interactions with antiretroviral agents: focus on recreational and addiction drugs." AIDS Read. (2004) Feb;14(2):96
- f) Marcus S, Holland B. "The Burden of Lead at Lower Levels. Comment in Pediatric primary care" (2003) 17:18-19
- g) Ruck B, Marcus S. "Use of expired antidotes." Ann Emerg Med. (2003) 42:157-8
- h) Ruck B, Marcus S. "Pharmacies' willingness to use expired antidotes and pharmaceutical-grade chemicals to prepare antidotes." Am J Health-Syst Pharm (2002) 59(24) 2453-5.
- i) Ruck B, Marcus S. "Acetaminophen Toxicity Nomogram Error: Barkin's Textbook of Pediatric Emergency Medicine." Pediatrics (2001) 107(1):210.
- j) Marcus S. "Poison center's perspective." Public Health Rep (1998) 113(5):379-80.
- k) Karkevandian E, Marcus S. "Accidental ingestion of sustained release calcium channel blockers in children" Vet Hum Toxicol. (1998) 40(2):1046.
- l) Marcus, SM. "Treatment of Lead-Exposed Children [letter]." Pediatrics (1996) Jul;98(1):161-2; discussion 163.
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- o) Marcus, SM. "The Lead Debate Goes On [letter]." Pediatrics (1993) Jun;91(6):1220-1.
- p) Marcus, SM, Honcharuk, L, Ruck, B, Jennis, T, Dennis, S. "Button Battery Recommendations Questioned [letter; comment]." Pediatrics (1993) Mar;91(3):681-2. Comment on: Pediatrics

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- q) Marcus, SM, Ruck, B. "Use of Succimer [letter; comment]." Clin Pharm (1992) May;11(5):387-8; Discussion 388-9. Comment on: Clin Pharm (1991) Dec;10(12):914-22; Comment on: Clin Pharm (1991) Dec;10(12):942.
- r) Marcus, SM. "EEG in Pesticides." [letter and comment] Clin. Electroencephalogram (1989) 20:VIII-X.
- s) Marcus SM. "Infant formulas contain variable amounts of fluoride." Pediatrics (1980) 66:b157-b158.

27. Public Service Appearances:

- a. ACNJ Work Group Meeting/Medication Administration in Preschools.
- b. June 2004. Managers Meeting, Newark Airport. Partnering for Poison Prevention
- c. Public Health Forum: Is Your Child at Risk for Lead Paint Poisoning? Elizabeth Home Improvement Program, City of Elizabeth June 10, 2002.