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Dedicated to CDC/ATSDR scientific excellence and advancement in disease control and prevention using GIS



Presentations at the GIS in Public Health Conference

August 18-20, 1998, San Diego

Environmental Health Protection

Health Risk Analysis Of The Rio De Janeiro Water Supply Using Geographical Information Systems

C Barcellos, KC Barbosa, MF Pina, MMAF Magalhães, JCMD Paola. Departamento de Informações para a Saúde, Fundação Oswaldo Cruz (DIS/FIOCRUZ), Avenida Brasil 4365, Rio de Janeiro, RJ, 21045-900, Brazil.

A GIS Dose Reconstruction Of The Air Pathway: Correlating The Impact Of Air Sources From An Air Force Base And The Incidences Of Excess Cancers

GM Zarus (1), DA Fowler (1), and AL Dent(2). (1) Division of Health Assessment and Consultation, Agency for Toxic Substances and Disease Registry, Atlanta, Georgia. (2) Electronic Data Systems, Atlanta, Georgia.

The Evaluation Of Environmental Exposures Using Geographic Information Systems

DM Abouelnasr, Ph.D. (1), RR Parker (1), G Aiken (2), ME Hewitt (2) and U Shanmugam (2). (1) Agency for Toxic Substances and Disease Registry, Atlanta, GA; (2) Electronic Data Systems, Atlanta, GA.

Understanding The Role Of Geospatial Information Technologies In Environmental And Public Health: Applications And Research Directions

US Tim. Iowa State University, Dept. of Agricultural & Biosystems Engineering, 215 Davidson Hall, Ames, Iowa.

Assessing Exposure to Trichloroethylene in Drinking Water using GIS

X Chen, CE Feigley, EM Frank, WA Cooper, and Y Huang. Univ. of South Carolina, Columbia, SC.

Tax Assessor Data And GIS In Targeting Lead Poisoning Prevention Interventions
GB Curtis RB Kaufmann and AB Bloch. CDC/NCEH/EHHE/LPPB, Atlanta, GA.

Enhancing Superfund Site Management With GIS
JD Generaux and V Damm. US EPA, Region 7, Kansas City, KS 66101.

GIS Implementation Of 1997 CDC Guidelines For Childhood Lead Screening In North Carolina
CL Hanchette. NC State Center for Health Statistics; Raleigh, NC.

A Study To Examine Mercury Toxicity In Aquatic Ecosystems Using GIS
DP Krabbenhoft and JG Wiener. USGS, 8505 Research Way, Middleton, WI 53562; USGS,
P.O. Box 818, LaCrosse, WI 54602.

Potential Risk Indexing System Utilizing GIS To Rank Geographic Areas, Industrial Sectors,
Facilities And Other Areas Of Concern
AC Wilkins (1) and DL Forman (2). (1) USEPA/ORD/National Center for Environmental Assessment, (Mail
Code 8623-D), Washington, DC 20460; (2) USEPA Region 3, 841 Chestnut Bldg. (MC 3WC30) Philadelphia,
PA 19107 (S.A.I.C. Inc., 1710 Goodridge Dr. (MS 1-11-10), McLean, VA 22102 Versar, Inc., 6850 Versar
Center, PO Box 1549, Springfield, VA 22151).

The Use Of GIS In Identifying Risk Of Lead Poisoning In Australia
LA O'Dwyer and SG Fildes. Flinders University, Adelaide, South Australia.

Geographic Analysis Of Childhood Lead Exposure In New York State
TO Talbot, MSPH; SP Forand, MA and VB Haley, MS. New York State Department of Health, Albany, NY.

Public Health Assessment Of Shellfish Growing Areas: A GIS-Based Prototype
MP Barrette, MS Mohrman and RE Hoskins. Washington State Department of Health, Olympia, WA.

Kriging Analysis of Benthic Ecological Data in Harbor Eco-Risk Assessments
CJ Leadon. Southwest Division, Naval Facilities Engineering Command, 1220 Pacific Highway,
San Diego, CA 92101-3327.

GIS In A County Environmental Health Agency
MM Blanchet, RS; P Isaksen, RS and TW Yerkes, RS. Seattle-King County Department of Public
Health (SKCDPH), Seattle, WA.

Using Geographic Information Systems For Environmental Health Program Planning & Evaluation
JW Purvis. ATSDR/DHEP/HPB, 1600 Clifton Road NE MS E-33, Atlanta, Georgia 30333.

Using GIS To Create Childhood Lead Screening Guidelines In Florida
TM Johnson and CM Duclos. Florida Dept of Health, Bureau of Environmental Epidemiology.

Spatiotemporal Mortality Clusters And Particulate Air Pollution In An Industrial City

MS Anderson (1) and M Jerrett (2). (1) Dept. of Geography, SDSU, San Deigo, CA;
(2) Dept. of Geography, SDSU, San Diego, CA.

WWW-Based Access And Visualization Of Hazardous Air Pollutants

J Symanzik (1), T Woodruff (2) and D Axelrad (2). (1) George Mason University, Fairfax, Virginia;
(2) EPA, Washington, DC.

Elevated Lead Levels Screened In Salt Lake County, Utah, January - October 1995

TL Schlenker (1), RD Sadler (2), I Risk (2) and H Harris (2). (1) SLCCHD, The Government Center, 2001 S
State St S2500, Salt Lake City, UT 84115; (2) SLCCHD 610 S 200 E, SLC, UT 84111.

*Integration Of Particulate Air Modeling With A GIS:**An Exposure Assessment Of Emissions From Two Phosphate Processing Plants*

G Ulirsch, D Gable and V Lee. ATSDR, Division of Health Assessment and Consultation, Atlanta, Georgia.

Spotlighting Local Sources Of Pollution: EDF's Scorecard Information Service

WS Pease and K Leiserson. Environmental Defense Fund, Oakland, CA.

*Airborne Pesticides Along The Mississippi River And Their Relation To GIS Mapping
Of Agricultural Pesticide Use And Cropping Patterns*

MS Majewski, WT Foreman and DA Goolsby. U.S. Geological Survey, Sacramento, CA 95825; U.S.
Geological Survey, Arvada, CO 80002; U.S. Geological Survey, Lakewood, CO 80225.

Geographic Information Analysis Of Pediatric Lead Poisoning

FL Margai. Department of Geography, Binghamton University-SUNY, P.O.Box 6000,
Binghamton, NY 13902..

Screening For Childhood Lead Exposure Using A Geographic Information System And Internet Technology

SA Scott and RD Knipple. Dakota County Environmental Management Dept. Apple Valley, MN.

*Design And Implementation Of A GIS In The Connecticut Department Of Public Health,
Water Supplies Section For Managing Information On Public Drinking Water Systems*

TE Reed (1), EK Cromley (2) and H Sternberg (3). (1) CT Dept of Public Health, Hartford, CT 06134; (2)
University of CT Dept of Geography, Storrs, CT 06268; (3) CT Dept of Env Prot, Hartford, CT 06106.

A GIS-Based Approach For Assessing Population Exposures To Tropospheric Ozone And Fine Particles

V Purushothaman and PG Georgopoulos. Ozone Research Center, Environmental and
Occupational Health Sciences Institute, Piscataway, NJ.

Multimedia Exposure Modeling Using GIS

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Exposure Assessment in Environmental Epidemiology: Application of GIS Technology
JR Nuckols (1), MH Ward (2). (1) Dept. of Env. Health, Colorado State U., Fort Collins, CO
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(2) Occupational Epidemiology Br., National Cancer Inst., Bethesda, MD.

Disease SurveillanceAnalyzing Motor Vehicle Injuries With The Connecticut Crash Outcome Data Evaluation System GIS

EK Cromley (1), ML Kapp (2), BR Pope (1). (1) Univ. of Connecticut, Storrs, CT;
(2) Connecticut Dept. of Public Health, Hartford, CT.

A GIS Based Intranet Site For Communicable Disease Reporting And Analysis

RE Hoskins (1), C Johnson (2) and P O'Carroll. (1) Washington State Department of Health, Olympia, WA;
(2) University of Washington, Seattle, WA.

Evidence Of Geographic Clustering Of Reported Gonorrhea Cases At The Census Tract Level From Small Area Analysis Using Socio-Demographic And Structural Risk Factors

RA Scribner (1), DA Cohen (1) and TA Farley (2). (1) LSU Medical School, Dept Public Health Preventive Medicine, New Orleans, LA; (2) Louisiana DHHS, Office of Public Health.

Exploratory Data Analysis In A Study Of Breast Cancer And The Environment

SJ Melly, NI Maxwell, YT Joyce, JG Brody. Silent Spring Institute, Newton, MA; Applied Graphics, Inc., Boston, MA.

Spatial And Environmental Risk Factors For Diarrheal Disease In Matlab, Bangladesh

ME Emch. University of Connecticut, Department of Geography, 565-20 Talcottville Rd., Apt. 1C8, Vernon, CT 06066.

Applications Of GIS And Landscape Ecology To Surveillance And Control Of Vector-Borne Diseases

U Kitron. College of Vet. Med., Univ. of Illinois, Urbana, IL 61801.

Design And Implementation Of A Geographic Information System For The General Practice Sector In Australia

J. Green (1), E. Waters (1), F. Escobar (2) and I. Williamson (2). (1) Centre for Community Child Health & Ambulatory Paediatrics (University of Melbourne), Royal Children's Hospital, Flemington Road, Parkville 3053, Victoria, Australia. (2) Department of Geomatics, University of Melbourne, Parkville, 3053, Victoria, Australia..

Power Lines, Line Transects, And GIS

HL Weiss (1), JW Drane (2), TE Aldrich (3), GF Pyle (4), DL Creanga (2). (1) UAB, Birmingham, AL; (2) USC, Columbia, SC; (3) UT, Salt Lake City, UT; (4) UNC-C, Charlotte, NC.

Using A Proximity Filter To Improve Rabies Surveillance Data

AJ Curtis. Dept. of Geography, Morehead State University, Morehead, Kentucky.

*Data Issues And Cartographic Techniques As Applied To The Use Of GIS In Epidemiology:**The Alberta Health Model*

EA Ellehoj. Surveillance Branch, Alberta Health, Edmonton, AB, Canada.

Application Of Potentials Of GIS In Analysing The Spatial Epidemiology Of Disease Surveillance In A Developing Country: A Case Study Of STDs And Risk Of AIDS In Tamilnadu, India

S Shanmuganandan (1), DR Phillips (2) and RK Shukla (3). (1) Department of Geography, University of Nottingham, Nottingham, Nottinghamshire, UK; (2) Professor and Head, Department of Geography, University of Nottingham, Nottingham NG7 2RD, UK; (3) Institute of Eng. Surveying & Space Geodesy, University of Nottingham, Nottingham, Nottinghamshire, UK.

On The Bias Of The Knox Test And An Unbiased Alternative

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Agricultural Pesticide Use And Risk Of Childhood Cancer: A Pilot Study In San Diego And Imperial Counties

EP Elkin, P Reynolds, B Gunier, A Hertz and M Harnly. Impact Assessment, Inc., La Jolla, CA
California Department of Health Services, Emeryville, CA.

Methodology To Simulate Control Populations For The Spatial Analysis Of Surveillance Data

MB Knapp (1), GV Archambault (2) and DD Aye (2). (1) Marlboro College Graduate Center, Brattleboro, VT; (2) Ct Dept Of Public Health, Hartford, CT.

*Assessment Of Environmental And Climatic Conditions Associated With Coccidioidomycosis
In San Diego County, 1991-1997*

AS Kao, J Estey, LS Gresham and MM Ginsberg. San Diego State University, Graduate School of Public Health, Department of Epidemiology, San Diego, CA; San Diego County Health and Human Services Agency, San Diego.

A GIS Based, Case-Control Analysis Of Cancer Incidence And Land Use Patterns

SM Dearwent. Univ. of AL at Birmingham, School of Public Health, Department of Environmental Health Sciences, Birmingham, AL 35294-0022.

Molecular And Geographic Epidemiology Of Tuberculosis In Baltimore

WR Bishai (1), OO Obansanjo (1), PL Beilenson (2), NMH Graham (1), S Harrington (1), DS Pope (2), N Hooper (1), J Astemboroski (1), L Sheely (1), D Vlahov (1), GE Glass (1), RE Chaisson (1) and N Dambita (2). (1) Johns Hopkins School of Public Health , 615 N. Wolfe Street, Baltimore, MD 21205; (2) Baltimore City Health Department: 210 Guilford Avenue, Baltimore, MD 21202.

Use Of GIS To Examine Associations Between Traffic Flow And Asthma

PB English (1), R Neutra (1), R Scalf (1), M Sullivan (1) and L Waller (2). (1) Env Hlth Investigations Branch, CA Dept of Hlth Services, Emeryville, CA ;(2) Div of Biostat, School of Pub Hlth, Univ of MN.

*Cancer Incidence In Southington, CT, 1968-1991 In Relation To Emissions From Solvents Recovery Services
Of New England*

DD Aye (1), GV Archambault (1) and D Dumin (2). (1) CT Dept of Public Health, Hartford, CT; (2) CT Dept of Environmental Protection, Hartford, CT.

*Mapping The Risk Of Severe Malaria In Bancoumana, Mali: GIS Methods For Studying
Malaria At The Village Level*

C Brown, S Doumbia, A Dicko, M Bagayogo, D Mokadam, JL Regens, YT Toure, DG Hodges, O Doumbo, JC Beier, JL Gerone and DJ Krogstad. Entergy Spatial Analysis Research Laboratory, Tulane School of Public Health and Tropical Medicine, New Orleans, LA; Mali-Tulane Tropical Medicine Research Center, Tulane School of Public Health and Tropical Medicine, New Orleans, LA and Faculty of Medicine, Pharmacy and Dentistry, University of Mali, Bamako, MALI.

Spatio-Temporal Trends In The Decline Of Ischemic Heart Disease Mortality - U.S. Labor Market Areas, 1980-1995

JA Halverson and E Barnette. Department of Community Medicine, West Virginia University, Morgantown WV, USA.

The Importance Of Error In Geocoding: A Tuberculosis Case Study

B Tempalski, B Kreiswirth and P Alcabas. (1) University of Washington, Dept of Geography, Seattle WA; (2) Public Health Research Institute, New York, NY; (3) New York University School of Medicine, Dept of Environmental Medicine, New York, NY.

Environmental Conditions Conducive To The Clustering Of Hantavirus Pulmonary Syndrome

VN Cavataio. Dept. of Geography, SDSU, San Diego, CA.

Social and Demographic Analyses

Enumeration Unit Equalization Using The Area-Proportion Technique And ArcView

AL Dent. Agency for Toxic Substances and Disease Registry, Electronic Data Systems, Atlanta, GA.

Race, Class, Health Risks And Environmental Equity: A Spatio-Temporal Analysis Using Arcview GIS

US Tim. Iowa State University, Dept. of Agricultural & Biosystems Engineering, 215 Davidson Hall, Ames, Iowa.

Warren County Landfill: Still Provocative After All These Years

PS Wittie (1) and B Nicholson (2). (1) Dept. of Geography, UNC-CH and NC Superfund, DWM, DENR, 401 Oberlin Rd, Ste 150, Raleigh, NC 27605; (2) Superfund, DWM, NC DENR, Raleigh, NC.

Pilot Project To Develop A Geographic Information System-Based Sampling Frame For National Surveys Of Local Health Departments: Progress Report, 1997 To 1998

TB Richards, CM Croner, CK Brown, L Fowler. Public Health Practice Program Office, CDC, Atlanta, GA; National Center for Health Statistics, CDC, Hyattsville, MD; National Association of County and City Health Officials, Washington, DC; Association of State and Territorial Local Health Liaison Officials, Norman, OK.

Using GIS To Define The Determinants Of Obstetrical Bypassing

TJ Morgan (1,2), MS; LA Savitz, PhD, MBA (3); PK Halverson, DrPH (3); WM Gesler, PhD, MS (3); MJ McMahon, MD, MPH (4) and M Beck, MS (4). (1) UNC-CH, Department of Health Policy and Administration, Chapel Hill, NC; (2) University of Arkansas, Department of Health Science, Fayetteville, AR; (3) UNC-CH, Department of Health Policy and Administration, Chapel Hill, NC; (4) UNC-CH Hospitals, Chapel Hill, NC.

The Role Of Geographic Information Systems In Population Health: Yardstick, Roadmap, Or Analytical Framework?

RS Kirby, PhD, MS, FACE and SL Foldy, MD. Univ. of Wisconsin Medical School, Milwaukee Clinical Campus, Milwaukee, WI; Milwaukee Department of Health, Milwaukee, WI.

Assessing The Accuracy Of Address Data From Birth Certificates

MC Fulcomer (1), MM Bastardi (2), H Raza (1) and M Duffy (1). (1) New Jersey Department of Health and Senior Services (NJDHSS), Center for Health Statistics (CHS), Trenton, NJ; (2) New Jersey Department of Treasury, Office of Telecommunications and Information Systems, Trenton, NJ.

Spatial Analysis Of Premature Deaths Among African American Males In Fulton County (Atlanta), Georgia

A Troutman. Fulton County Department of Health and Wellness, Atlanta, GA.

Small Area Analyses Of Cardiovascular Disease And Sociodemographic Patterns: A GIS Approach

ML Casper, PhD (1); A Halverson, MA (2); GA Elmes, MA (3); V Braham, MA (2) and E Barnett, PhD (2). (1) Centers for Disease Control, Atlanta GA, USA; (2) Department of Community Medicine, West Virginia University, Morgantown WV, USA; (3) Department of Geology and Geography, West Virginia University, Morgantown WV.

Hazard Ranking Of Chemical Releases From Tri Facilities In Oregon And Environmental Equity Analysis Of Nearby Populations

JE Rothlein and C Neumann. Cntr. Res. Occup. and Environ. Toxicol., Oregon Health Sciences Univ., Portland OR and Dept. Public Health, Oregon State Univ., Corvallis, OR.

Targeting Urban Neighborhoods For A Proactive Community Outreach Effort Aimed At Families With Young Children: Geocoding Of Birth Certificates And Neighborhood Surveys

LR Kallenbach. Wayne State University, Dept. of Community Medicine, Detroit, MI.

Demographic Data And Geographic Information Systems For Decision Making: The Case Of Public Health

JG Gobalet and RK Thomas. Lapkoff & Gobalet Demographic Research, Inc., Saratoga, CA; Medical Services Research Group, Memphis, TN.

Proximity To Hospitals And Preventive Health Care For Young Children

J Currie and PB Reagan. Dept of Economics, UCLA, 405 Hilgard Ave, LA, CA 90095; Dept of Economics, Ohio State Univ, 1945 N. High St, Columbus, OH 43210.

A New GIS Based Tool For The Assessment Of Environmental Equity And Death Rates Near Super Fund Sites In The Urban Counties Of Washington State

RE Hoskins. Washington State Department of Health, Olympia, Washington.

GIS Analysis Of Firearm Morbidity And Mortality In Atlanta, Georgia

DS Fuqua-Whitley, MA; KK Bartolomeos, MPH; and AL Kellermann MD, MPH. Emory Center for Injury Control, Atlanta, GA 30322.

The New Mexico Mammography Project: Using GIS To Determine Geographic Variation In Mammography Utilization

AM Amir-Fazli. New Mexico Tumor Registry, University of New Mexico School of Medicine, 2325 Camino de Salud NE, Albuquerque, NM 87131-5306.

Spatial Distribution Of White Male Low Birth Weight In Georgia

FH Millard. Georgia Div. of Public Health, Atlanta, GA.

An EPA Region 2 GIS Application For Identifying Environmental Justice Areas

SK Tang, L Timander and A Streets. USEPA Region 2, New York City, NY.

A GIS Heuristic For Spatial Partitioning In Small Area Analysis

S Loftus, GA Elmes, JA Halverson and E Barnett. Dept. Geology and Geography, Regional Research Institute, and Prevention Research Center, West Virginia University, Morgantown, WV 26506.

Can GIS Help MCH Related Issues In South Carolina?

K Heidari and PW Laymon. MCH Epidemiology, Vital Statistics South Carolina Department of Health and Environmental Control, Columbia, SC.

Using GIS To Prioritize Efforts In Tobacco Control For Communities In Washington State

SL Scheel (1) , JA Dilley (2) and RE Hoskins (1). (1) Washington State Department of Health -- GIS & Spatial Epidemiology Unit, Olympia, WA; (2) Doctoral Student of Epidemiology, University of Washington, Seattle, WA.

Baseline Aggregate Environmental Load Analysis Of Greenpoint/Williamsburg Brooklyn. Methodology And Pilot GIS Application In A Mixed Use Densely Populated Urban Area

D Kass, MSPH and J Osleeb, PhD. Hunter College Center for Occupational and Environmental Health, New York, NY; Hunter College Department of Geology and Geography.

Implementation and Operations

Industry Trends: The Windows NT WorkStation Tidal Wave

P Dolan. WorkStation Brand Manager, Dell Federal Marketing, Round Rock Texas.

GIS Infrastructure: UNIX and NT Integration

R Murphy. EDS, Atlanta, GA, USA.

Effects of Smoothing Mortality Data Using the Weighted Head-banging Algorithm

M Mungiole (1), LW Pickle (1), KH Simonson (2). (1) National Center for Health Statistics, CDC, Hyattsville, MD 20782, (2) Sandia National Laboratories, Albuquerque, NM 87185-0844.

Managing and disseminating information with an Internet Map Server

PA Calame. GIS Specialist, Electronic Data Systems (EDS), ATSDR, 1600 Clifton Rd., Mail Stop E56, Atlanta, GA 30333.

Dynamic Integration Of A Geographic Information System With A Relational Database Management System

RR Parker (1), DM Abouelnasr, Ph.D. (1), G Aiken (2), ME Hewitt (2) and U Shanmugam (2). (1) Agency for Toxic Substances and Disease Registry, Atlanta, GA; (2) Electronic Data Systems, Atlanta, GA.

Health Service Sites Accessibility Analysis On Internet

Y Lu. Department of Geography, SUNY at Buffalo, Buffalo, NY.

Using GIS As A Management Tool For Health Care Facilities

A Eason and US Tim. Iowa State University, Dept. of Agricultural & Biosystems Engineering, 215 Davidson Hall, Ames, Iowa.

PCB Health Impact Evaluation: Case Study Of The Air Pathway Migration Of PCB

GM Zarus (1), A Dent (1), T McRae (1), SM Burchette (2), HD Schmidt (2) and K Ocheski (2). (1) ATSDR, Division of Health Assessment and Consultation, Atlanta, GA, 30333; (2) RF Weston REAC, 2890 Woodbridge Ave, Edison, NJ, 08837.

Remote Sensing Applied To Schistosomiasis Control: The Anning River Project

EYW Seto (1), DR Maszle (1), RC Spear (1), P Gong (1) and B Wood (2). (1) University of California, Berkeley, CA; (2) NASA Ames Research Center, CA.

Internet Access To 1990 Census Data On Housing And Population For
Targeting Childhood Lead Poisoning Screening

RT Ing , LT Killen and AB Bloch. CDC/NCEH/OC, Atlanta, GA; TRW Inc., Atlanta, GA;
CDC/NCEH/EHHE/LPPB, Atlanta, GA.

Spatial And Temporal Analysis Of Malaria Parasitemia And Mosquito Abundance In Western Kenya

AW Hightower (1), M Ombokk (2) , G Olong (2) and WA Hawley (3). (1) Division of Parasitic Diseases, CDC, Atlanta, GA; (2) Kenya Medical Research Institute, Kisumu, Kenya; (3) Division of Parasitic Diseases, CDC, Nairobi, Kenya.

Mapping Infant Mortality On The US-Mexico Border: An On-Line Interactive Application

DL Balk, M Iwaniec and ML Golden. Consortium for International Earth Science Information Network (CIESIN), 2250 Pierce Road, University Center, MI 48710.

Conceptual Issues For Deriving Remote Sensing Databases For GIS-Based Landscape Epidemiological Studies

MR Bobo, LR Beck and BL Wood. JCWS, Moffett Field, CA; California State University Monterey Bay, Seaside, CA; NASA Ames Research Center, Moffett Field, CA.

A Conceptual Model Of The Spread Of Rabies Which Integrates Computer Simulation
And Geographic Information System

LL Sheeler-Gordon and KR Dixon. The Institute of Environmental and Human Health, Texas Tech University, Lubbock, TX.

Using GIS To Target Public Health Programs: Some Applications At A Local Health Department

C Steinweis. Lincoln-Lancaster County Health Department.

Tracking Private Provider Participation In A Childhood Immunization Registry Using GIS

SL Patrick, MPH, PhD. Institute of Rural Health Studies, Idaho State University.

Childhood Lead Poisoning: An Example Of GIS Supporting Federal Environmental Justice Policy

M Weintraub, Toxics Officer, Romel Pascual, Environmental Justice Team Co-Leader. US EPA Region IX.

How to Wake Up, Get Out of Bed and Use GIS in Health Every Day

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WF Wiecezorek and CE Hanson. Ctr for Health & Social Research, Buffalo State College, Buffalo, NY 14222.

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JL Librett (1), R Hopkins (2) and B Granberg (3). (1) University of Utah, Health Promotion and Education, Salt Lake City, UT; (2) University of Utah, Health Promotion and Education, Salt Lake City, UT; (3) University of Utah, Digitally Integrated Geographic Information Technologies (DIGIT) Lab, Salt Lake City, UT.

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Department of Psychiatry, College of Medicine, University of Illinois/Chicago.

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MC Kinkade (1), CL Steinweis(2), JJ Steinauer (3). (1) GIS Coordinator, (2) Acting Epidemiologist, (3) Environmental Engineer II, Lincoln-Lancaster County Health Department.

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WM Darby (1), J Harrison (2), J Richardson (2), W Irwin (2). (1) University of Denver, University College, Denver, CO, (2) USACHPPM, DSA-West, Aurora, CO.

Public Health National Charter

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DP Lince, LR Wilson, GA Carlson. New York State Department of Health, Bureau of Environmental Exposure Investigation, 2 University Place - Room 205, Albany, NY.

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Conference Information and Registration: see <http://atsdr1.atsdr.cdc.gov:8080/GIS/conference/>

Breakout Sessions and Abstracts: see http://atsdr1.atsdr.cdc.gov:8080/GIS/conference/at_a_glance.html

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