

Addressing Disparities in Baltimore's Pediatric Immunization Coverage

National Immunization Conference
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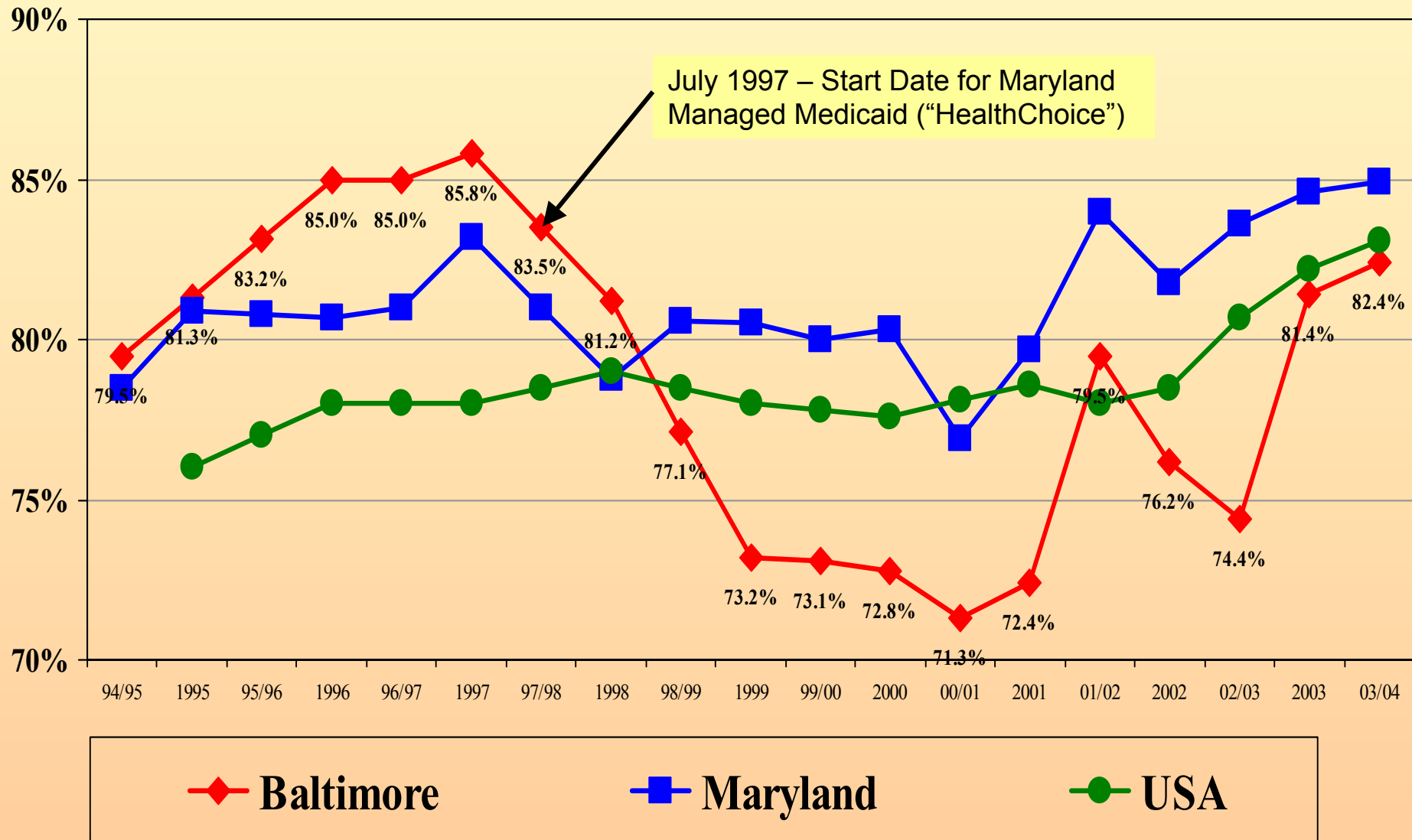


Objectives

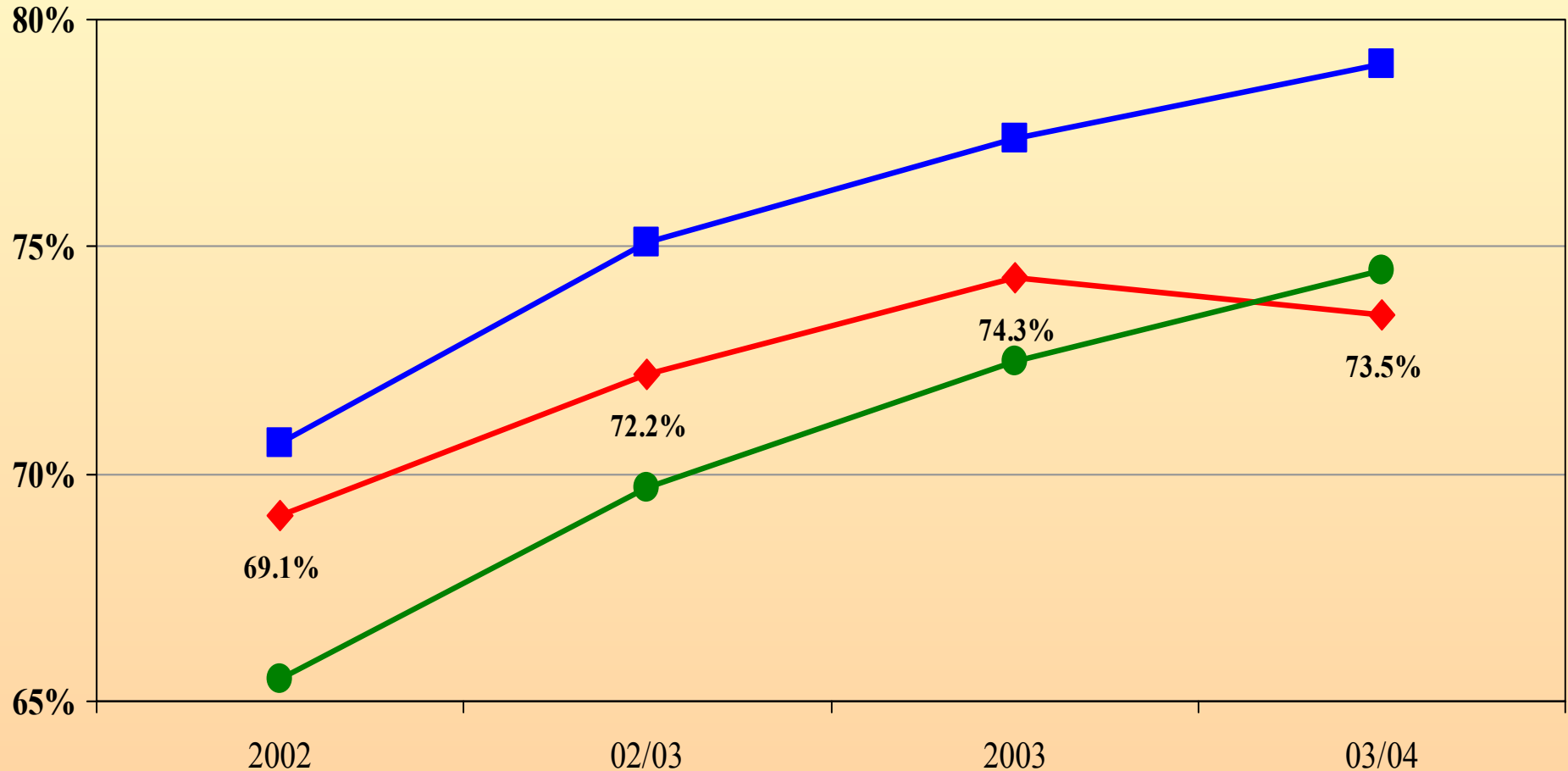
- Identify communities (populations, neighborhoods) at highest risk for under immunization
- Overview of what the Baltimore City Health Department (BCHD) does to improve childhood immunization coverage rates for these high risk communities

Baltimore City DT/P/aP4:Polio3:MMR1 (“4:3:1”) Vaccine Coverage for 19-35 Month Olds

[Ref: CDC/NIP National Immunization Survey]



Baltimore City “4:3:1:3:3:1” Vaccine Series
Coverage for 19-35 Month Olds
[Ref: CDC/NIP National Immunization Survey]



◆ Baltimore

■ Maryland

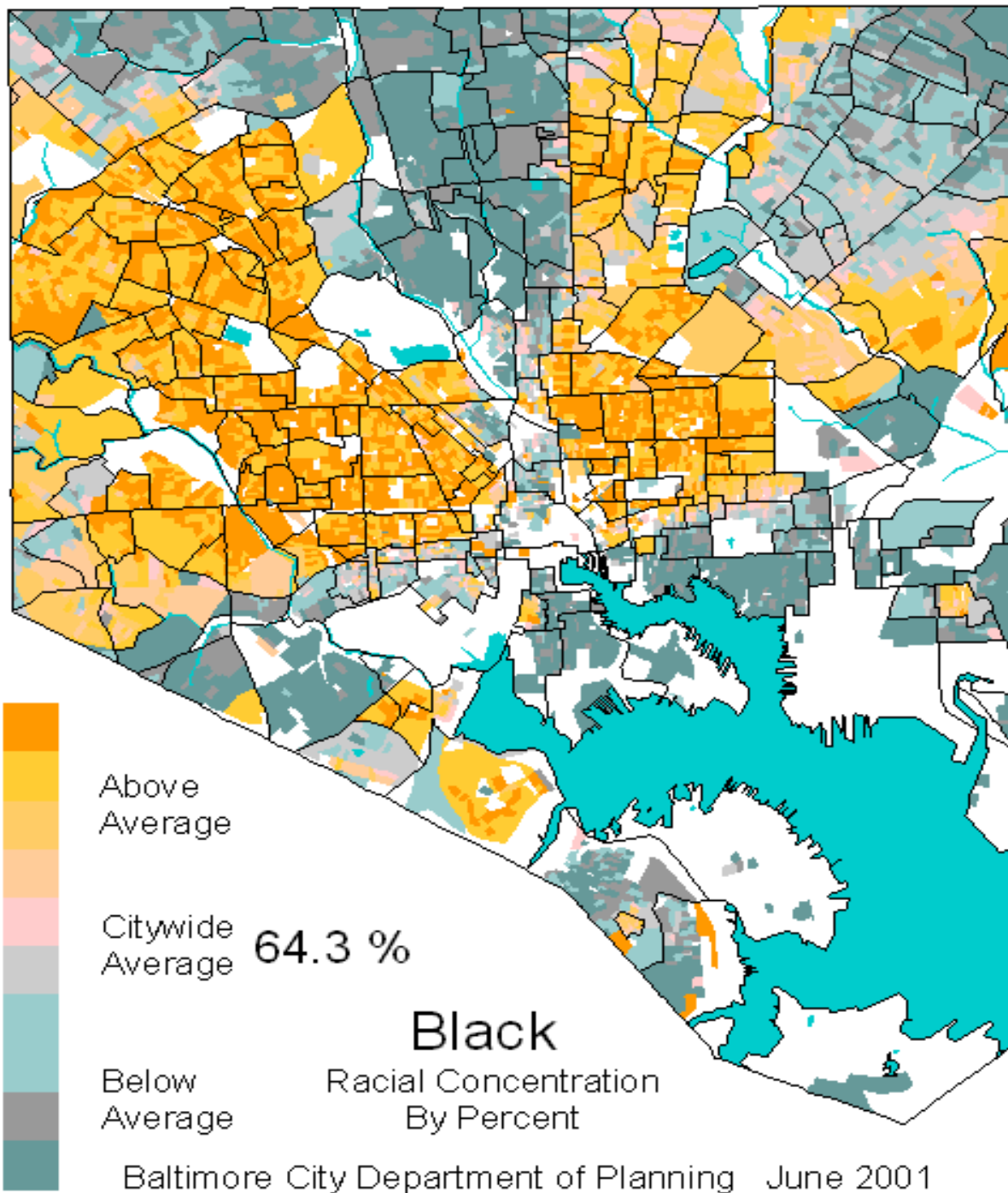
● USA

Baltimore City Demographics - 1

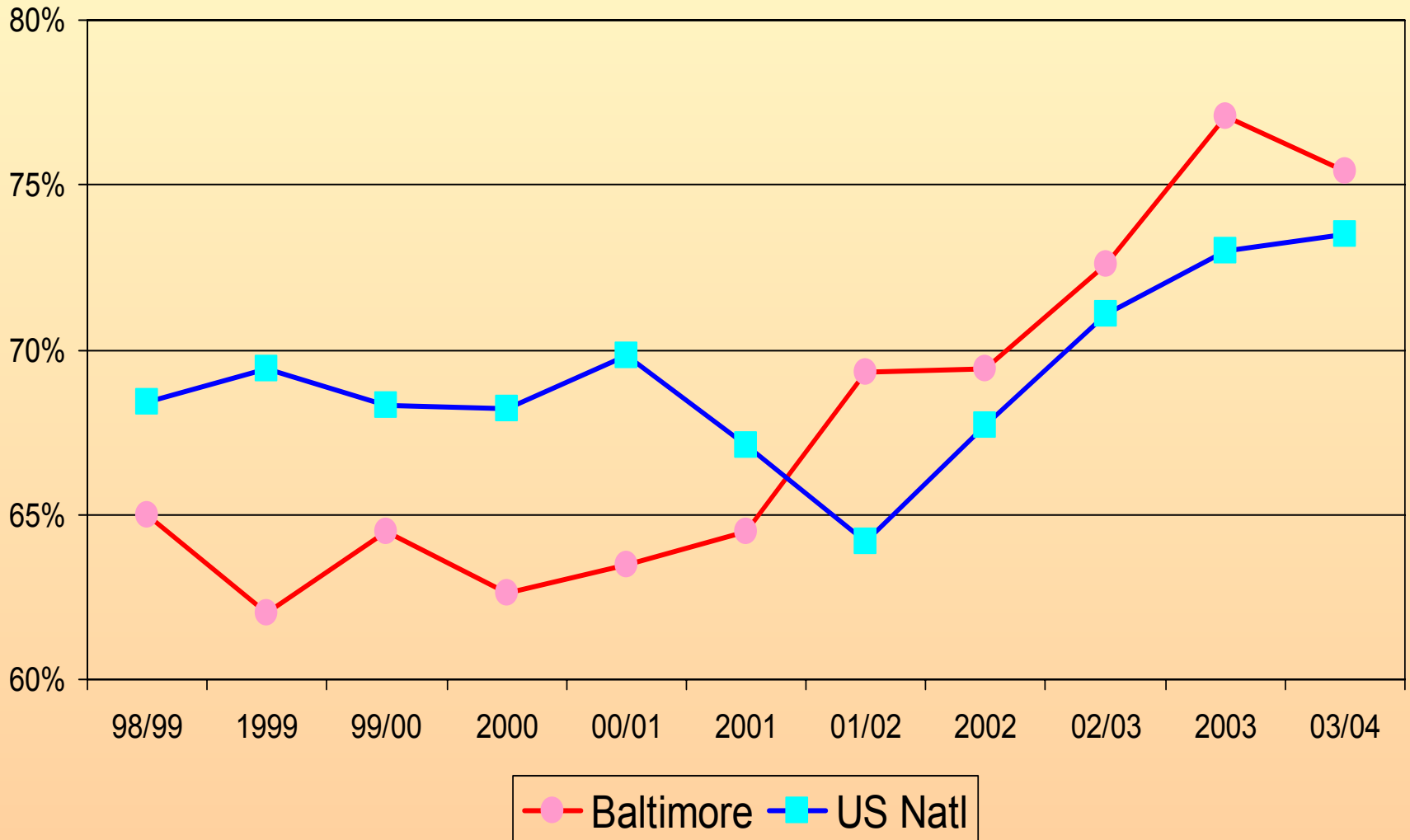
- Total Population (Est 2005) - 627,500
- Est 2005 Population Under Age 18 Yrs - 154,650
- Est 2005 Population Under Age 5 Yrs - 39,560

- Total 2000 Population – 651,154
 - African-American - 64.3%
 - White - 31.6%

- Population Under Age 18 Yrs (2000)
 - African-American - 121,996 (75.6%)
 - White - 32,918 (20.4%)
 - Hispanic - 3,021 (2%)
 - Asian - 1,245
 - American Indian - 576
 - Other or Multiple Races - 1,597

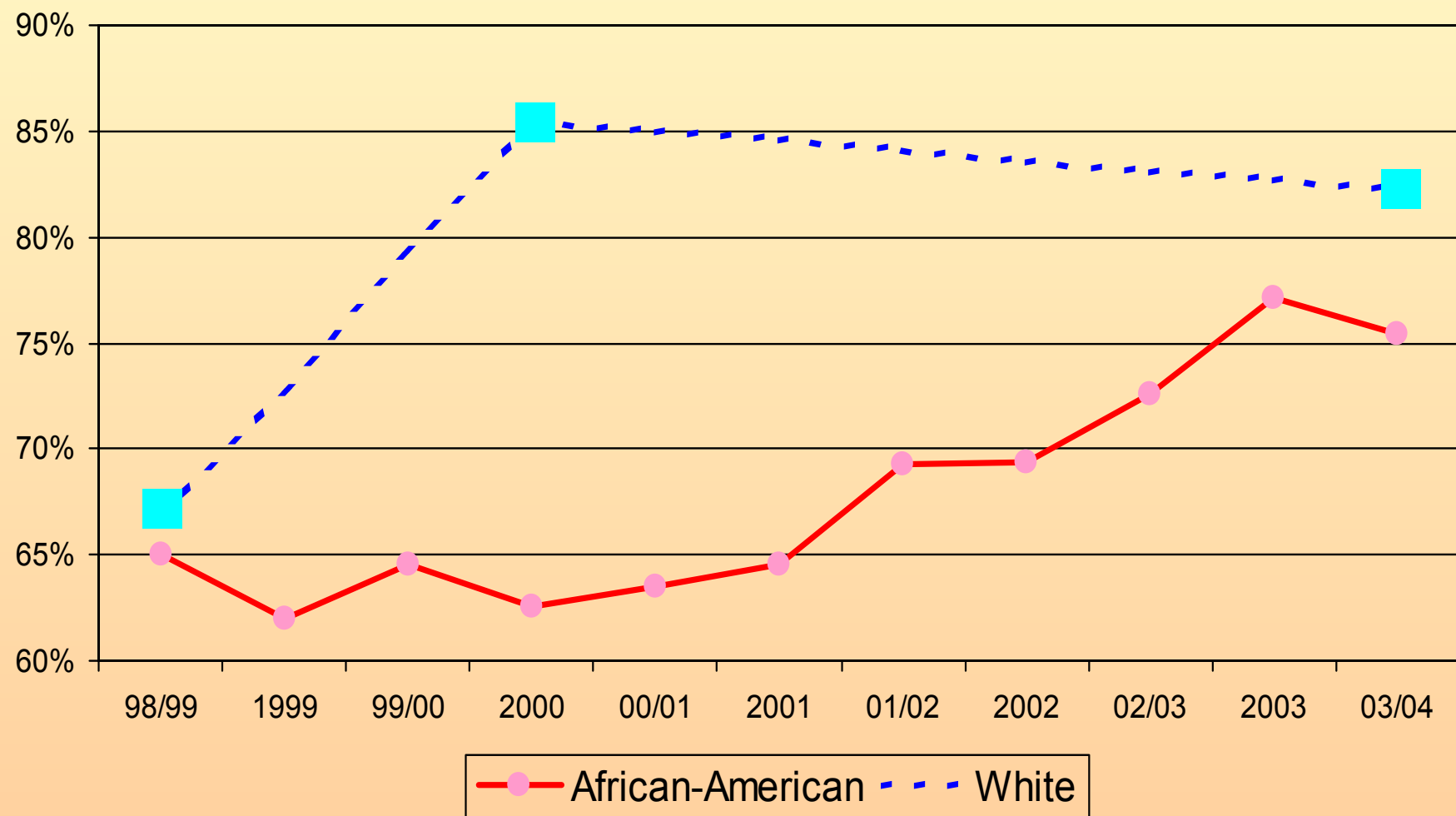


“4:3:1” Immunization Coverage Among African-Americans, Baltimore City vs US National



Source: CDC/NIP National Immunization Survey

“4:3:1” Immunization Coverage Between African-Americans and Whites, Baltimore City



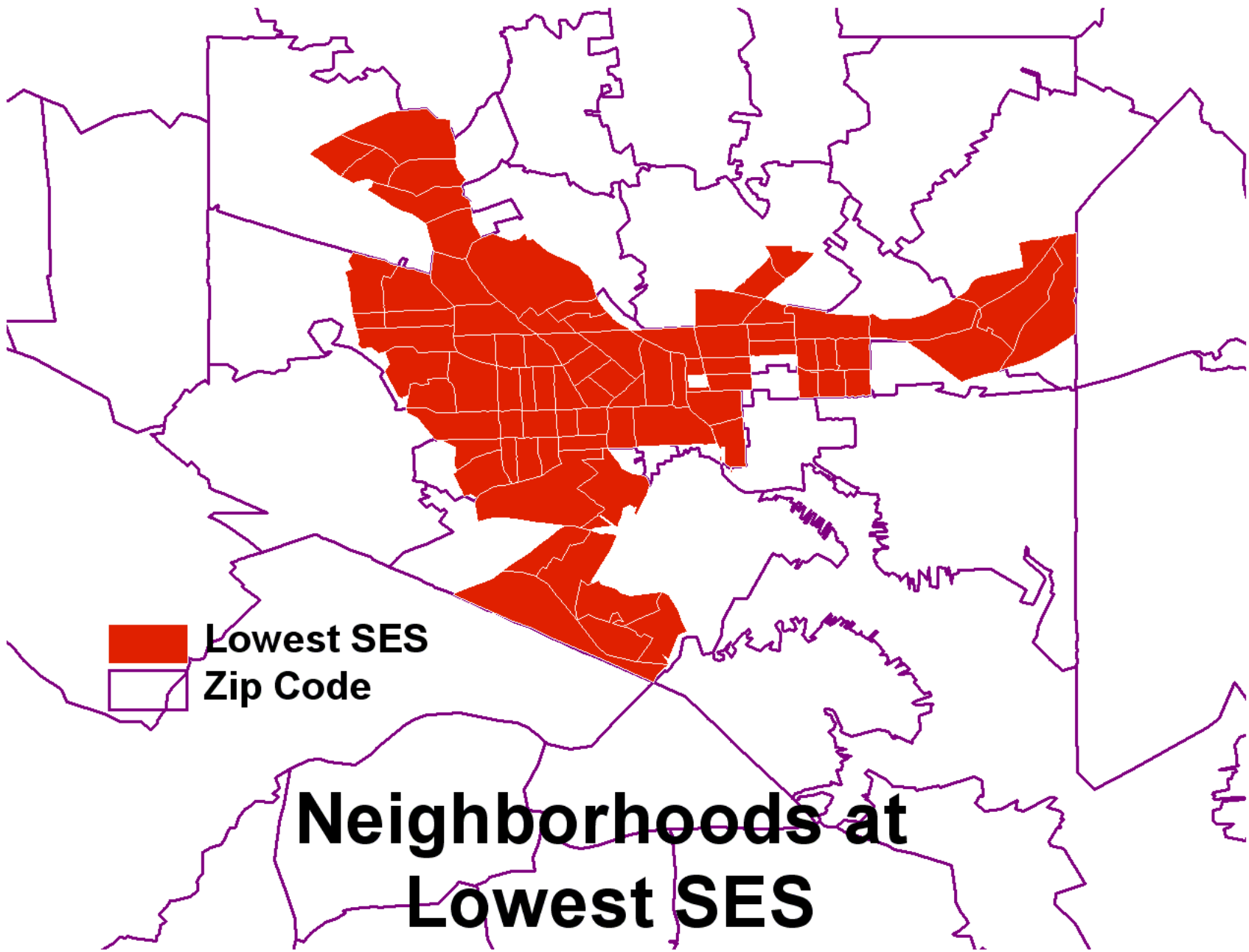
Source: CDC/NIP National Immunization Survey

Improving immunization coverage in Baltimore's high risk populations involves much more than race / ethnicity

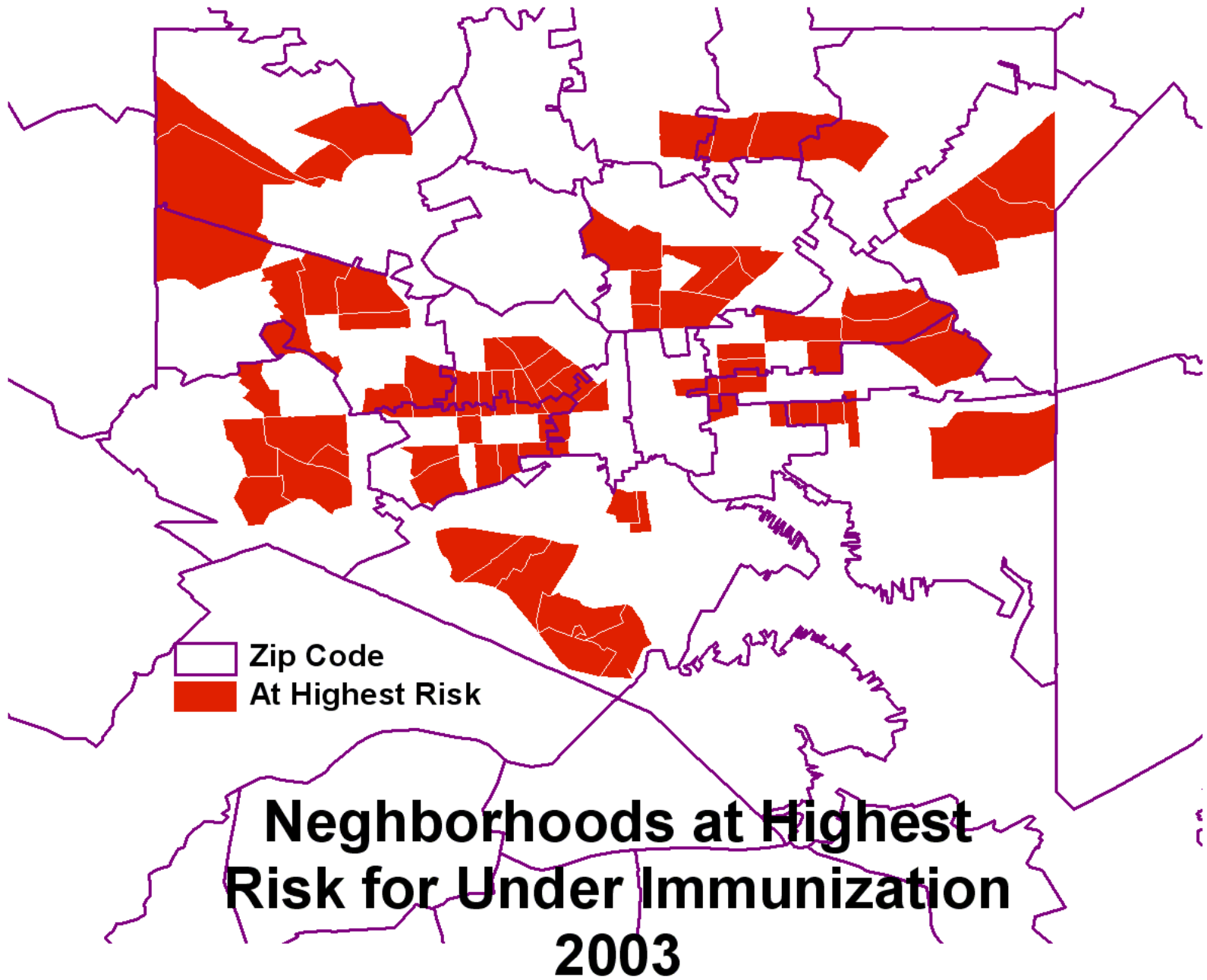
Socio-economic status (SES) including poverty, unemployment, low education levels, unstable families, poor utilization of (beyond access to) healthcare & other disenfranchisements is a predictor of, but not necessarily causal to low immunization coverage

Baltimore City Demographics - 2

- Estimated Population Under Age 18 Yrs Living at:
 - Below Poverty - 31%
 - Below 200% Poverty - 57% - - - > *Maryland MCHIP Eligible*
 - Living in Neighborhoods where 20%+ of the Population is Below Poverty - 55%
- No Full Time, Year-Round Parental Employment in Households with:
 - Children Under 18 - 23%
 - Children Under Age 6 Yrs - 24.5%
- Children / Adolescents Living in Single-Parent Households - 59%
- Children / Adolescents Living with a Household Head who is a High School Drop Out - 30%
- Adolescents Age 16 – 19 Yrs Who Are High School Drop Outs - 21%
- Pct of 2003 Births where the Mother did not receive Early (1st Trimester) Pre-Natal Care (one marker to the “Utilization” of Health Care) - 25.1%



**Neighborhoods at
Lowest SES
2000-2003**



Baltimore City Health Department Pediatric Immunization Services - 1

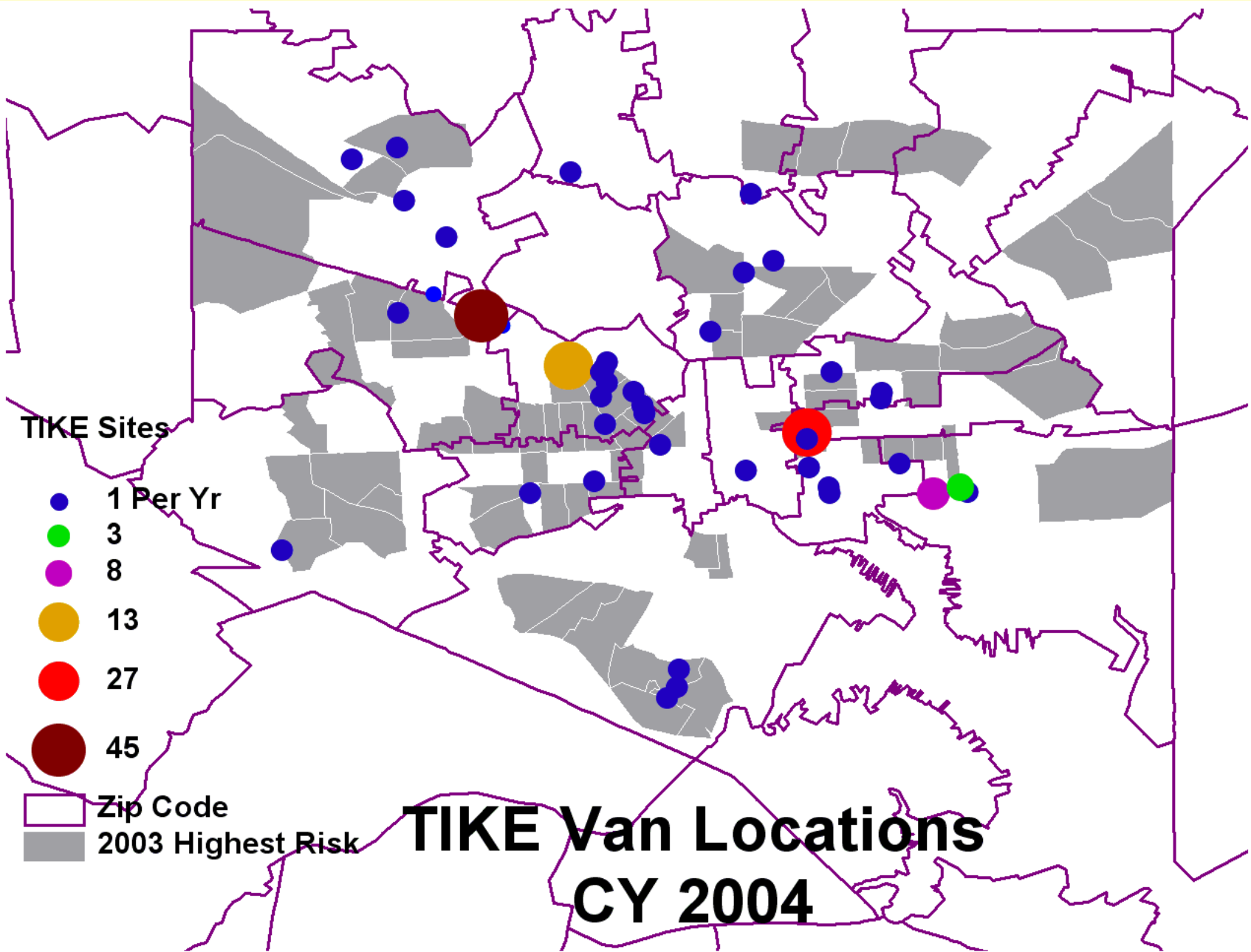
BCHD's Immunization Program provides an array of services that highlights the importance of vaccinations as part of a continuum of well child care, including:

- Administration of vaccinations through the TIKE Van
- Public health awareness campaigns
- Healthcare provider continuing education
- Improvement of relations, goodwill, between BCHD and local healthcare providers, MCOs & medical insurers, public service agencies, and the general public

T.I.K.E. Van

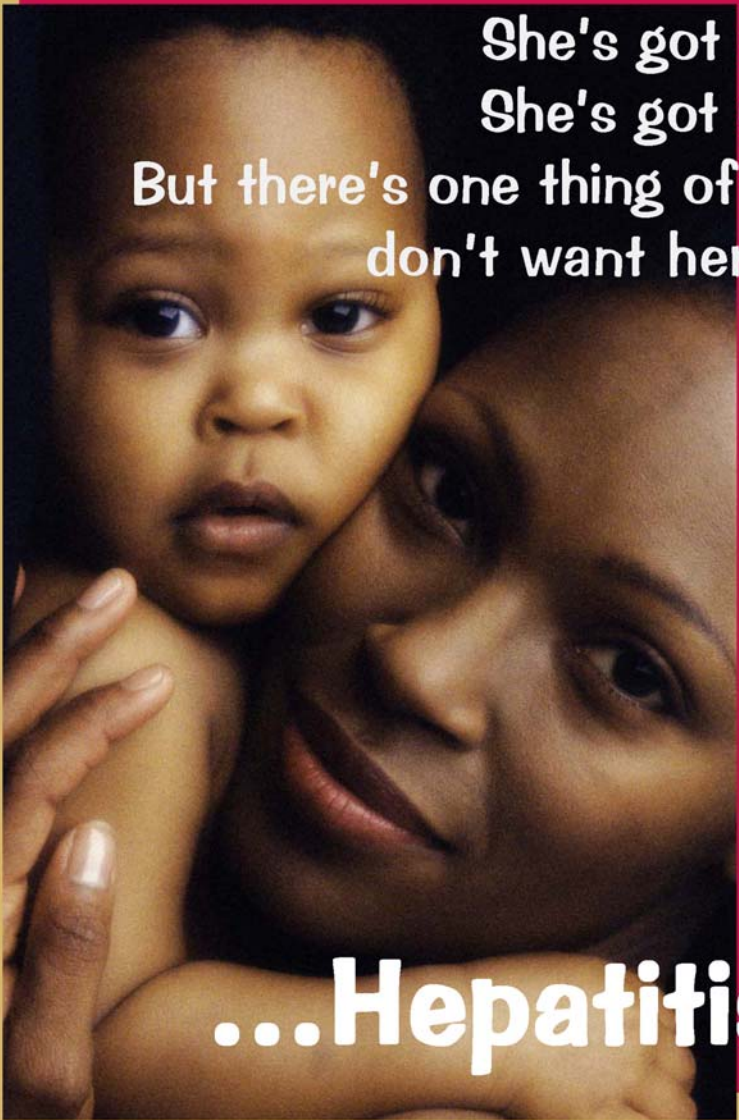


- Neighborhood vaccinations from a mobile clinic
- CY 2004 Total: 133 clinics at 42 locations
- CY 03 / 04 Total: 1,450 patient encounters of which 26% were under 6 years old
- TIKE administered 1.3% of the City's under 6 year old vaccinations (03 / 04)



Public Health Awareness

- The Message
 - Use already tested, culturally competent materials developed from outside sources
 - Create our own
- The Media
 - Telephone inquiries from the public
 - Community health fairs
 - Radio talk shows
 - Newspaper
 - Internet web site
 - Bus / Mass Transit (MTA) billboards
 - “Blast” faxes < - - - NEW
 - Distribute materials in Clinic waiting rooms < - - - Proposed
 - Distribute materials to high risk neighborhoods < - - Proposed



She's got your eyes.
She's got your nose.
But there's one thing of yours you
don't want her to get ...

...Hepatitis B

You can prevent it. Be Sure... Be Tested.



For more information, ask your doctor or call the Hepatitis B Program
at the Baltimore City Health Department: 410-396-4454



[Maintain User Accounts](#)

[BIRP User's Manual](#)

[Terms & Conditions](#)

[Software Downloads](#)

[BIRP Report Forms](#)

[Recommended Vaccine Schedules](#)

[Vaccine Information Statements \(VIS\)](#)

[Maryland Pre-School & Student \(K-12\) Vaccine Requirements](#)

[VAERS Reporting](#)

[Other References](#)

[BCHD "TIKE" Van Schedule](#)

[Childhood Vaccination Coverage in Baltimore](#)

[Vaccine Preventable Disease in Baltimore](#)

[Contact BIRP](#)

[BIRP Stats](#)

[Maryland Vaccines for Children \(VFC\) Newsletter](#)

[Maryland ImmUNET Newsletter](#)



**Baltimore's
Immunization
Registry Program**

BIRP Log-In

A Family Member Of

Maryland
ImmUNET

<http://www.birp.net>

Baltimore City Health Department Pediatric Immunization Services - 2

- BCHD – WIC collaboration
- BCHD outreach services to children / families not UTD with their age-appropriate vaccinations
- Help ensure compliance with Maryland state vaccination requirements in public and private / parochial schools, licensed day-care, and “Head Start” programs. NB: Trickle-down effect increases (?) younger siblings’ coverage rate
- Encourage Maryland EPSDT & VFC, and managed care HEDIS field audits (and the financial incentives / disincentives that are tied to vaccination coverage)
- Immunization Registry (BIRP)

Baltimore City Health Department Pediatric Immunization Services - 3

- Participate in student projects as well as university based health services research
- Integrate the message (and practice) of pediatric immunizations into a wider array of BCHD community based outreach programs that:
 - target infant mortality and low birth weight (e.g.; “Healthy Start” + “Success By 6”®)
 - increase enrollment into MCHIP & “Health Choice” (e.g.; “Health Care Access”)
- Continue to advocate for a stronger & more stable public & primary health care financing. For example; “Maryland Citizen’s Health Initiative,” <http://www.healthcareforall.com>

Closing the Gap

- 20% - 25% of Baltimore's under 3 year olds remain not UTD for their age appropriate vaccinations - - - > the "80 – 20" rule.
- It's questionable whether or not the current array of BCHD vaccination services can significantly reduce the number of those that remain under immunized
- The solution may be to place a greater emphasis on targeting individual families & neighborhoods with BIRP generated reminder / recall, closer collaboration with local African-American congregations, intensive "face to face" (consolidated healthcare) outreach, et al
- A small but significant amount of improvement in coverage can be achieved by working with healthcare providers' to simultaneously administer DTaP4-Polio3-MMR1-HIB4-VZV1-CPnu4 at age 12-15 months

For Additional Information

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