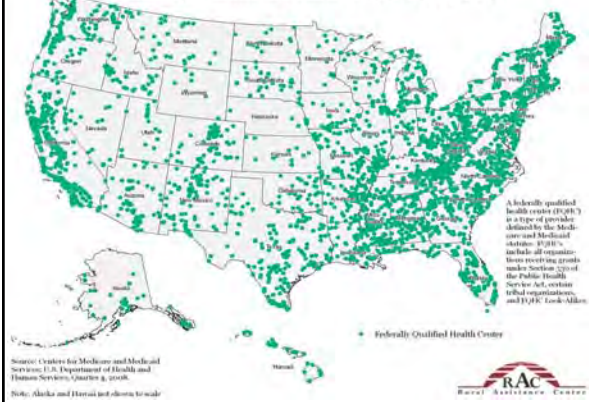


Using Data and Intuition to Guide Best Practices in Community-Based Oral Health: A Community Health Center Approach

LEE FRANCIS, MD, MPH
ERIE FAMILY HEALTH CENTER
CHICAGO, IL



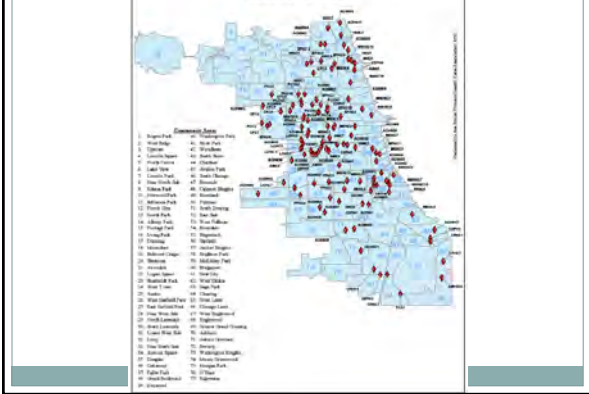
Federally Qualified Health Centers (FQHCs)



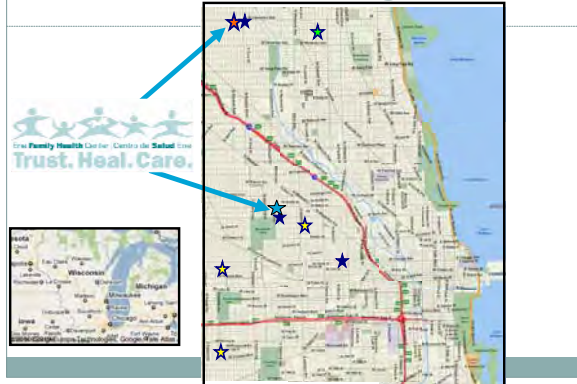
Percentage of Population Served by CHCs, 2008



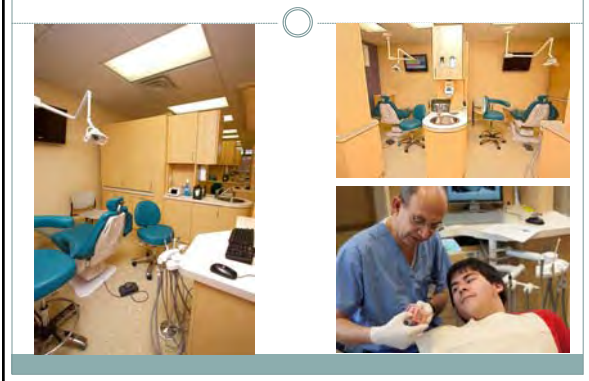
Chicago Community Health Center Sites Traditional Sites



Our Locations: Chicago, Illinois



Erie Dental Health Centers



Health Care Reform and Health Centers

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Health Care Reform and Primary Care — The Growing Importance of the Community Health Center

Eli Y. Adashi, M.D., H. Jack Geiger, M.D., and Michael D. Fine, M.D.

During the debate over U.S. health care reform, relatively little attention was paid to the long-established network of community health centers (CHCs) in the United States. And yet this unique national asset constitutes a critical element of any reform in expanding access to

were to be "of the people, by the people, for the people."

Now operating at more than 8000 sites, both urban and rural, in every state and territory (see Fig. 1), run by about 1200 CHC grantees, the centers are the medical home to 20 million Americans, 5% of the current U.S. pop-

often the sole health care provider available to these patients.

Beyond their commitment to the uninsured, the CHCs have always welcomed the insured in need of high-quality primary care. At present, 35% of CHC patients are beneficiaries of Medicaid, and 25% are beneficiaries of Medi-

What is UDS ?

UDS 2009 Grantee\State\National Summary Report

MEASURES	GRANTEE	STATE	NATIONAL
Patients			
Total Patients	33,174	1,060,723	18,753,858
Number/Percent of Patients who used:			
Medical Services	30,081/90.68%	975,163/91.93%	16,166,416/86.20%
Dental Services	5,812/17.52%	136,695/12.89%	3,438,340/18.33%
Mental Health Services	436/1.31%	41,853/3.95%	758,131/4.04%
Substance Abuse Services	0/0.00%	1,469/0.14%	114,565/0.61%
Other Professional Services	316/0.95%	10,180/0.96%	525,832/2.80%
Enabling Services	4,058/12.23%	82,165/7.75%	1,720,626/9.17%
Number/Percent Visits			
Dental	19,027/11.59%	312,273/7.87%	8,401,705/11.38%
Medical Visits per Medical Patients	3.81	3.19	3.16
Dental Visits per Dental Patient	3.27	2.28	2.44
Mental Health Visits per Mental Health Patient	6.98	4.69	4.96

What UDS tells us - Oral Health Status

Diagnostic Category	Applicable ICD - 9 - CM Code	Number of Encounters (a)	Number of Patients (b)	Encounters Per Patient
Selected Dental Services				
27. I. Emergency Services	ADA: D9110	245,320	202,456	2.22
28. II. Oral Exams	ADA: D0120, D0140, D0145, D0150, D0160, D0170, D0180	3,395,757	2,581,667	2.32
29. Prophylaxis - Adult or Child	ADA: D1110, D1120	1,833,486	1,481,792	2.24
30. Sealants	ADA: D1351	366,265	245,000	2.47
31. Fluoride Treatment - adult or child	ADA: D1203, D1204, D1206	1,167,748	936,058	2.25
32. III. Restorative Services	ADA: D0200 - D0299	1,879,777	990,448	2.90
33. IV. Oral Surgery (Extractions and other Surgical Procedures)	ADA: D7111, D7140, D7210, D7220, D7230, D7240, D7241, D7250, D7260, D7281, D7270, D7272, D7280	942,480	688,396	2.37
34. V. Rehabilitation Services (Endo, Peri, Prostho, Ortho)	ADA: D8000, D8010, D8020, D8030, D8040	768,130	411,895	2.86

Total Patients: 3,438,340

Financial Costs for Other Clinical Services

5. Dental \$ 1,277,877,439

\$ 371.65 per patient per year

Oral health integration into CHCs – What is missing from UDS ?

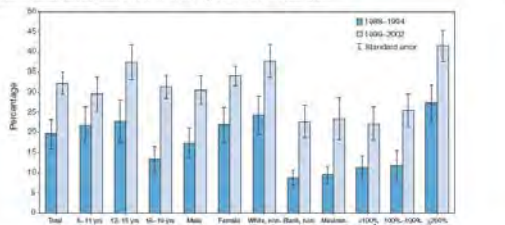
C - CHILDHOOD IMMUNIZATION RATE			
Childhood Immunization Rate	Total Number Patients with 2nd Birthday During Measurement Year (a)	Estimated number patients immunized (b)	Estimated % patients immunized (c)
10. Number of children who have received required vaccines who had their 2nd birthday during measurement year	338,429	232,692	68.8%
SECTION D - PAP TEST			
Pap Test	Total Number of Female Patients 24-64 Years of Age (a)	Estimated number patients tested (b)	Estimated % patients tested (c)
11. Number of female patients aged 24-64 who had at least one PAP test performed during the measurement year or during one of the previous two years	5,264,495	3,062,033	58.2%

What's Important: Nationally, State, Locally, in the Health Center?

- % Children treated for caries - free at 1 year
- % Eligible children receiving sealants, fluoride proph., etc.
- % Pregnant women receiving 1st trimester periodontal care
- % Dental patients completing dental treatment plan @ 1yr

Linkage with National Data: CDC

FIGURE 9. Prevalence of dental sealants in children and adolescents aged 6-16 years,* by selected characteristics—United States, National Health and Nutrition Examination Survey, 1988-1994 and 1999-2002

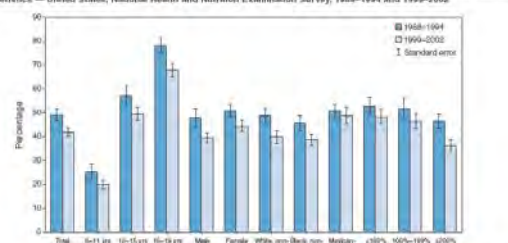


* Defined as having one or more permanent molars, premolars or upper lateral incisors with pit and fissure sealants. All estimates are adjusted by age (single years) and sex to the U.S. 2000 standard population, except non-Hispanic American Indian, Alaska Native, which is adjusted only by age. † Percentage of the Federal Poverty Level (FPL), which varies by income and number of persons living in the household.

MMWR Surveillance Summaries 2005;54(03):1-44.

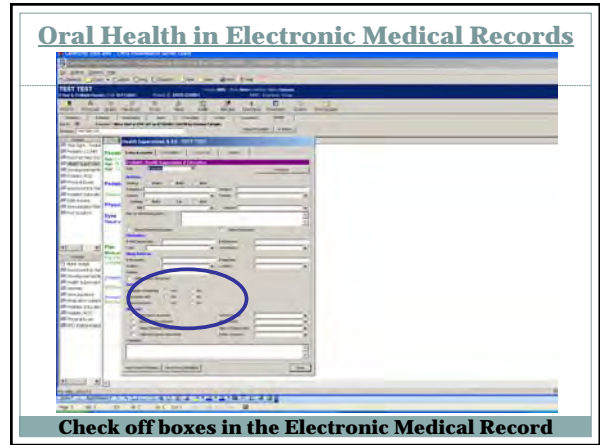
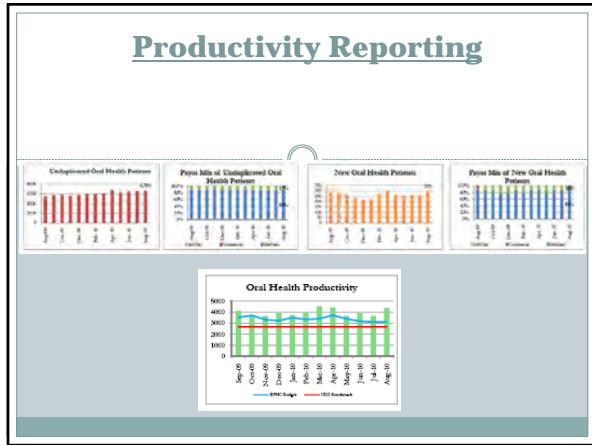
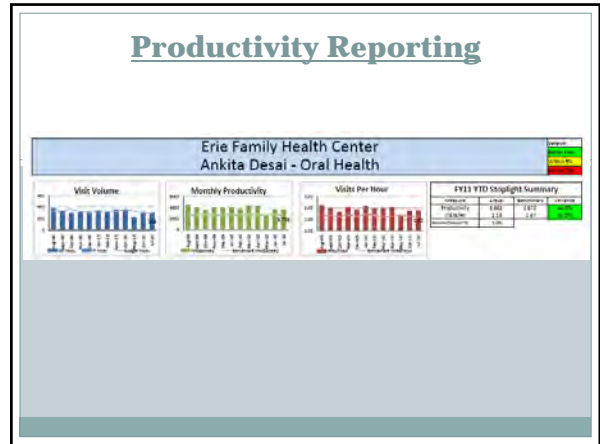
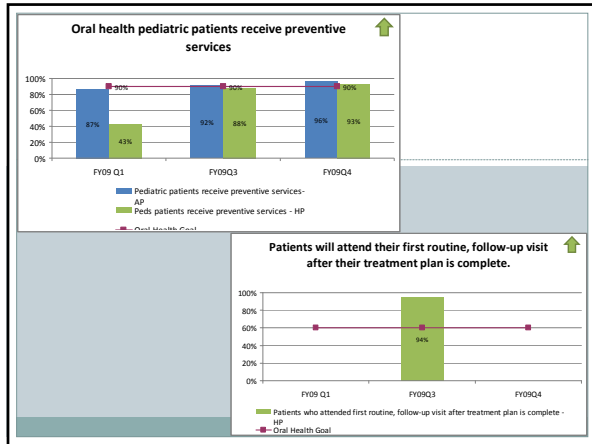
Linkage with National Data: CDC

FIGURE 5. Prevalence of dental caries in permanent teeth* among children and adolescents aged 6-16 years, by selected characteristics—United States, National Health and Nutrition Examination Survey, 1988-1994 and 1999-2002



* Defined as having one or more decayed, missing, or filled surfaces in permanent teeth (DMF-DI) among those with at least one permanent tooth. All estimates are adjusted by age (single years) and sex to the U.S. 2000 standard population, except non-Hispanic American Indian, Alaska Native, which is adjusted only by age. † Percentage of the Federal Poverty Level (FPL), which varies by income and number of persons living in the household.

MMWR Surveillance Summaries 2005;54(03):1-44.



What about a National Oral Health Dashboard?

A challenge

Outcome	Data Source	Relevancy	Possible?
Diabetes: Hgb A1c correlation with oral health status	Insurance companies	Moderate	Yes
School children disease burden and school days missed	States	High	Not sure
Pregnancy outcome (birth weight) and periodontal disease status	Hospitals	High	Yes

What do you choose?

