Social Determinants of Health and Wellness Through Enhanced Information Technology and Information Sharing

Presented by:
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Remember The Other “H” in HHS
Medicaid Serves 70+ Million People…
Human Services 100+ Million

SNAP 44.7 M
Child Support 40 M
Foster Care 500K
Head Start 1 M
LIHEAP 4.9 M
Unemployment 8.4 M
WIC 9.2 M
Development Disability 32.5 M
Housing Assistance 4.9 M
TANF 4.4 M
Social Determinants are Key Factors Contributing to the Population Health and Wellness of A Community

- Lifestyle: 51%
  - Smoking
  - Obesity
  - Stress
  - Nutrition
  - Blood pressure
  - Alcohol
  - Drug use

- Human Biology: 20%

- Environment: 19%

- Health Care: 10%
Social Determinants Impact Population Health!

3 Behaviors
- No Exercise
- Poor Diet
- Tobacco Use

4 Chronic Diseases
- Cancer
- Heart Disease
- Type 2 Diabetes
- Lung Disease

50%+ of Deaths

County of San Diego, Health and Human Services Agency, Public Health Services, Community Health Statistics Unit. (October, 2010). 3-4-50: Chronic Disease in San Diego County.
Client Centric

- Foster Care
- Persons with Physical & Intellectual Disabilities
- Behavioral Health
- Family
- Isolated Senior
- Veteran
Mrs. Garcia, 40, Widowed

Situation
• Grandmother/mother
• Lives in a rural community
• Fixed income on disability due to an accident

Services Need:
• Child Protective Services
• Health Care needs: Primary/Specialty Care
• Depression & counseling
• Transportation
• Child care
• Adult Services
Marisol Garcia -- 20 Years Old

Situation:
• Teen Mother and Pregnant with 2nd child
• Known to the Child Welfare
• Transient living situation,
• Drug addiction and exploitation

Service Needs:
• Health Insurance
• Prenatal Care
• Housing
• Transportation
• Medical referral for substance abuse
Angelina Garcia -- 2 Years Old

Situation
• Separated from mother
• At risk of removal
• Potential developmental issues due to chemical exposure at birth

Service Needs:
• Permanent Mom
• Immunization Screening
• Lead Screening
• Developmental Screening
• Parenting education
• Well child visits
Current System

Marisol, 20, Pregnant

Needs:
- Health Insurance
- Prenatal Care
- Medical Home
- Medical Referral for substance abuse
- Transportation

Angelina, 2

Needs:
- Immunization Screening
- Lead Screening
- Developmental Screening
- Parenting education
- Well child visits

Ms. Garcia, 40, Widow

Needs:
- Medical referral – Primary care
- Medical referral – Specialty care
- Medical referral – depression and counseling
- Transportation

HHS

MEDICAID MANAGED CARE

EARLY CHILDHOOD

CHILD PROTECTIVE SERVICES

HEALTH PLAN
Care Coordination Through Interoperability

HUB

Marisol, 20, Pregnant

- Health Insurance PW
- Pregnancy PW
- Medical Home PW
- Medical Referral PW - substance abuse
- Social Service PW - transportation

Angelina, 2

- Medical Referral PW
- Immunization PW
- Lead Screening PW
- Developmental PW
- Educational PW

Ms. Garcia, 40, Widow

- Medical Referral PW Primary Care
- Medical Referral PW Specialist
- Medical Referral PW Counseling
- Social Service Ref. PW transportation
Care Coordination: *It’s All About the Data*

But what type of data are we talking about?

- Personally Identifiable Data
- Research/Administrative Data
- Big Data
- **Open Data**
Open Data Definition

• “Open Data” describes data that are freely available, machine-readable, and formatted according to national technical standards to facilitate visibility and re-use of published data.

• The California Portal will offer access to standardized data that can be easily retrieved, downloaded, sorted, searched, analyzed, redistributed and re-used by individuals, business, researchers, journalists, developers, and government to process, trend, and innovate utilizing a single data table or combinations of data tables.
Interoperability + Integration + Data sharing = InterOptimability™
Connecting Systems & Optimizing Outcomes
WE CANNOT SOLVE OUR PROBLEMS WITH THE SAME THINKING WE USED WHEN WE CREATED THEM

- Albert Einstein