# Muskegon Public Schools Safe SchoolsHealthy Students

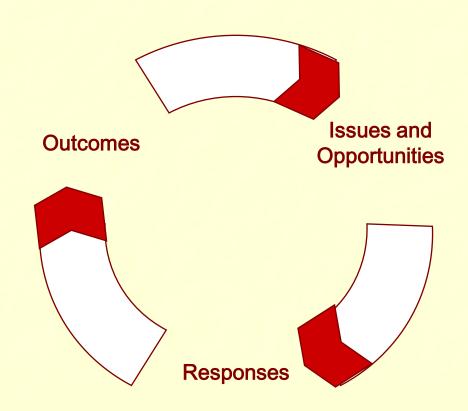
## Approach to Database Development

Gary Houseman Project Director Jan 2010

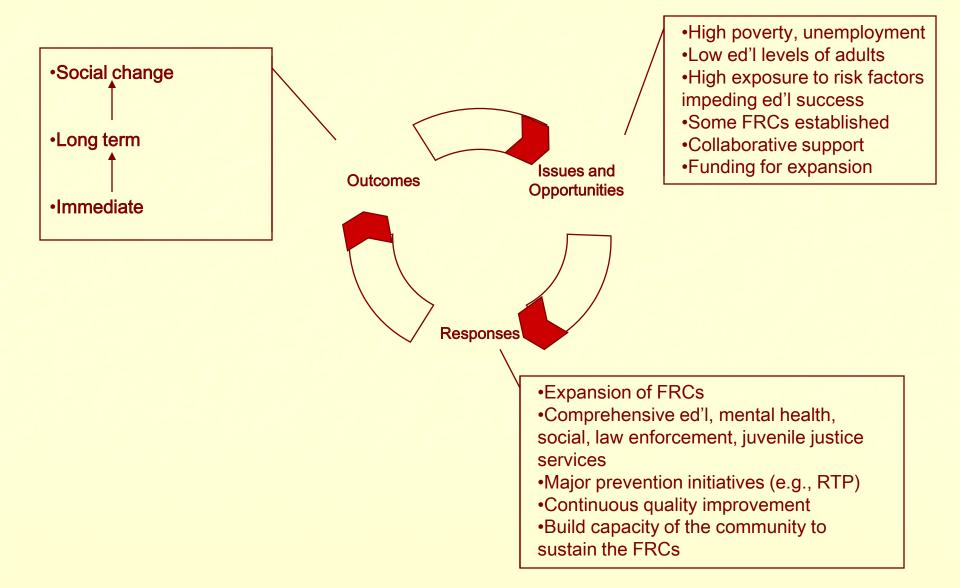
## Agenda

- Theory of Change
- 2. Outcomes
- 3. Purpose of the Database
- 4. Database Users
- 5. Approach to System Development
- 6. Components of the Database
- 7. Safe-guarding the Data
- Keys to Successful System Development.

## Theory of Change Logic Loop



## Theory of Change for the SSHS



## MPS SS/HS Outcomes

#### Social Change

A community with safe/drug-free schools where healthy child development is achieved

#### Long Range Outcomes

#### Student level:

- Increase in academic success
   School level:
- 2. Increase in positive school climate
- 3. Increase graduation rates

#### Community level:

4. Sustainability and integration into the community

#### Immediate Outcomes

#### Student level:

- Decrease in student victimization
- 2. Decrease in substance use and abuse
- 3. Increase in student attendance

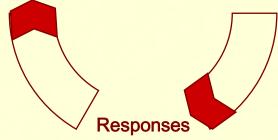
#### School level:

4. Increase in school safety

#### Community level:

- 5. Improved access to appropriate interventions
- 6. Enhanced collaboration among service providers





#### **Service Delivery**

- Assure full implementation of service delivery
- 2. Use continuous quality improvement
- 3. Assure implementation of systems/sustainability changes

## Purpose of the Database

Support ongoing quality improvement efforts

 Evaluate the extent to which outcomes are reached

3. Identify the keys to long-term sustainability of outcomes.

### **Database Users**

- Project Director
- 2. Core Management Team
- 3. Service Providers
- 4. School
- 5. Community
- 6. Funder.

## User Approach to Database Development

- User friendly and user tolerant
- 2. "Fits" around the work and delivery processes of the project
- 3. Minimizes duplication
- 4. Has capacity to be enhanced as project needs grow
- 5. Access to data entry and reporting is based upon the need to know.

### Features of the User Interface

- Custom-designed menu system and access based upon needs of the various users
- Decentralized data entry
- 3. Decentralized reporting
- 4. Project reporting at the building level, grade level, district level and community level.

## Technical Approach to Database Development

- Platform is Microsoft Access 2003
- Because of the freeze on IT upgrades, the system will be distributed in Run Time, which will run the database on computers that don't have Access
- Some data will be downloaded from other partners and uploaded into the database
- System development is being done by the project evaluator.

## Components of the Database

SSHS Project Database

## Safe Guarding the Data

Difference between HIPPA and FERPA

 County-wide Multi-agency Release, which includes informed consent

3. Database requires notation about releases and informed consent.

## Keys to Successful Database Development

- A strong evaluation plan developed via partnering
- Creation (or refinement) of data collection tools that are efficient and user friendly
- Piloting of data collection tools to make refinements <u>before</u> system development
- 4. Utilization of technology that allows for custom design
- 5. Development and piloting of data entry system...

## Keys to Successful Database Development

- 6. A champion for data quality
- 7. Flexibility in designing components
- 8. Use of techniques that minimize data entry error (drop down menus)
- 9. Ongoing feedback to improve the database
- 10. Commitment to implementation.