**Demographic Data** 

School Processes Data Enrollment,
attendance,
drop-out rate,
ethnicity,
gender, gradelevel

Perceptions Data

oted from: Remin rdt, V. L. (1998). Data analysis comprehensive semiolwide improvement.

Student Learning Data

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**Demographic Data** 

School Processes Data Perceptions of learning environment, values and beliefs, attitudes, observations

Perceptions Data

oted from: Berni ordt, V. L. (1998). Data analysis Chorehensive sem olwide improvement. Student Learning Data

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**Demographic Data** 

School Processes Data Standardized
tests, norm/
criterionreferenced tests,
teacher
observations of
abilities, authentic
assessments

Perceptions Data

d from: Bern, ordt, V. L. (1998). Data analysis prehensive semiolwide improvement.

Student Learning Data

**Demographic Data** 

School Processes Data Descriptions of school processes and programs

Perceptions Data

ted from: Bern rdt, V. L. (1998). Data analysis in prehensive son folwide improvement.

Student Learning Data

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#### Multiple Measures of Data Allows the prediction of Tells us: actions/processes/programs What processes/programs different Over time, demographic that best meet the learning groups of students like best. data indicate changes in needs of all students the context of the school. Tells us: Tells us: If groups of students are "experiencing" school differently. Student participation in different programs **DEMOGRAPHICS** and processes. Tells us: Enrollment, attendance, Drop out The impact of demographic factors ate, Ethnicity, Gender 🕰 Over time, school processes and attitudes about the learning show how classrooms change. environment on student learning. PERCEPTIONS SCHOOL ROCESSES Over time, perceptions can Tell us about the environmental improvements. Standardized Tests Tells us: Norm/Criterion-Referenced Tests What processes/programs work Teacher Observations of Abilities **Authentic Assessments** Tells us: best for different groups of students STUDENT with respect to student learning. the impact of student perceptions of the learning environment on student learning. Tells us: Tells us: If a program is making a difference Over time, student learning data give The impact of the program on student learning in student learning results. information about student performance based upon perceptions of the program and on different measures. on the processes used. Note: Adapted from Data Analysis for Comprehensive Schoolwide Improvement (p.15), by Victoria L. Bernhardt