CDC Grant Implementation

Presented by the Kentucky Department of Education

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Why Asthma?

- Student Data in KY (K-12) shows that Asthma is the # 1 most frequent health condition in our schools(7% of all students.)
- Students with asthma have much poorer attendance than students without.
- We want students in classrooms and we want full funding for student attendance.

Student Data from KSIS

- The 2013-14 numbers are in!
- Total Student Enrollment – 653,448

Condition	# Students	% of Students
1. **Asthma**	**47,916**	**7%**
2. Allergies	18,087	2%
3. ADHD	17,331	2%
4. Epilepsy	4,879	.07%
5. Diabetes	2,398	.03%

Student Attendance Terms

- **Average Daily Attendance** (ADA) is the percent of enrolled students who attend school each day. In Kentucky, this number is used to allocate state funds.
- **Truancy** – in KY, refers to unexcused absences, over and above all excused absences.
- **Chronic Absenteeism** – Using definition from Attendance Works based on National Research – missing 10% or more of the school year for any reason. (Example: 17 schools days out of 170)

Why K-8 students only?

- Attendance Works Research – Attendance through Grade 8 is a better dropout predictor than test scores!
- Video from Attendance Works
- Attendance Works Research on Student Health
- http://www.attendanceworks.org/research/health-issues-and-absenteeism/

Prevention works!

- Asthma is one of the most common chronic illnesses for children in the United States.
- Preventive efforts to address asthma issues in early childhood have been found to return $1.46 for every dollar invested, by reducing hospital visits.
- Additionally, there was also a 41% reduction in missed school days, and a 50% reduction in parents missing work due to an ill child.
- **Woods, Elizabeth R. et al.,** *Community Asthma Initiative: Evaluation of a Quality Improvement Program for Comprehensive Asthma Care*. Pediatrics, February 20, 2012.

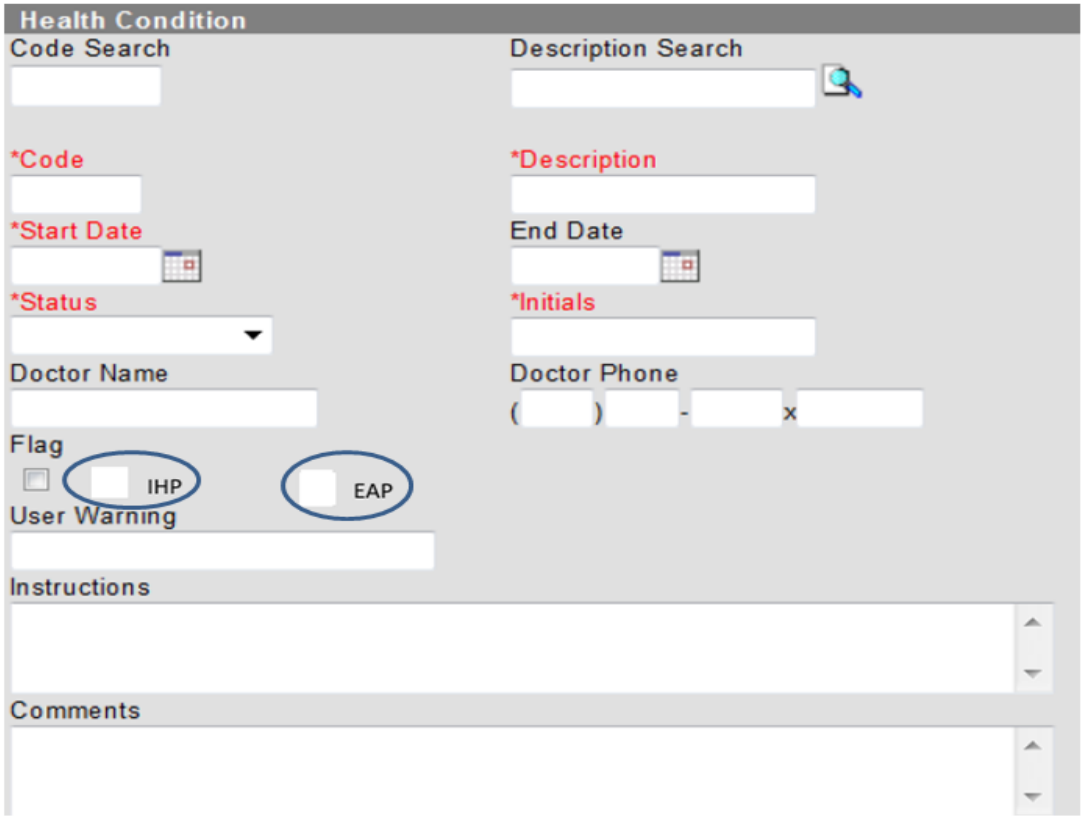
DID YOU KNOW?
By the 9th grade, regular and high attendance is a better predictor of graduation rates than 8th grade test scores
Attendance Matters

Identifying Students with Asthma

Goal: Implement policies, processes, and protocols in school to meet management/care needs of students with chronic health conditions (asthma) (School Level Attendance Interventions)

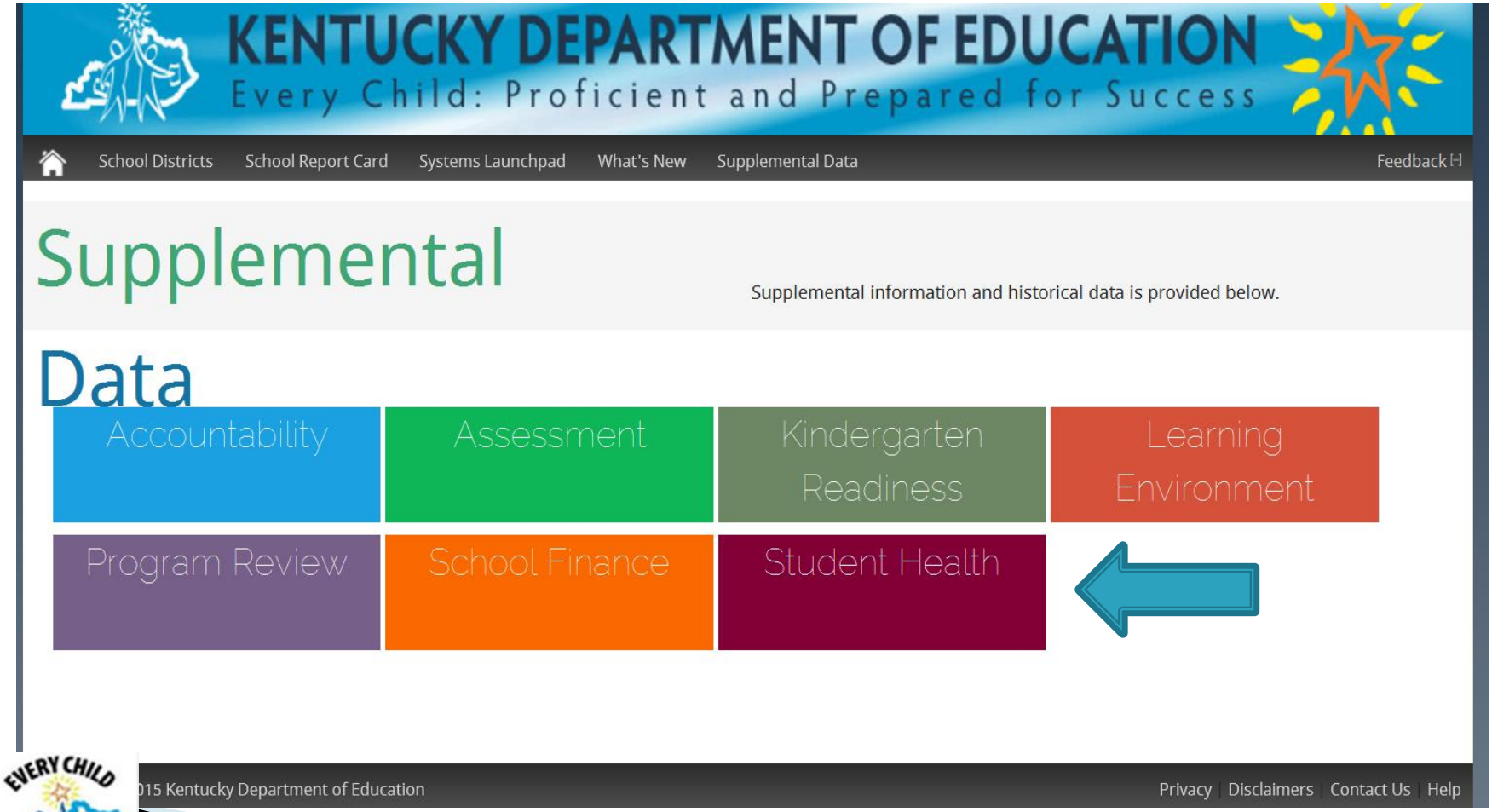
- KRS 156.502
- Health Data entered on all students in KSIS
- Health Conditions reported by ICD-9 codes
- District health data posted on KDE website "Open House", Supplemental Data

Tracking Student Information

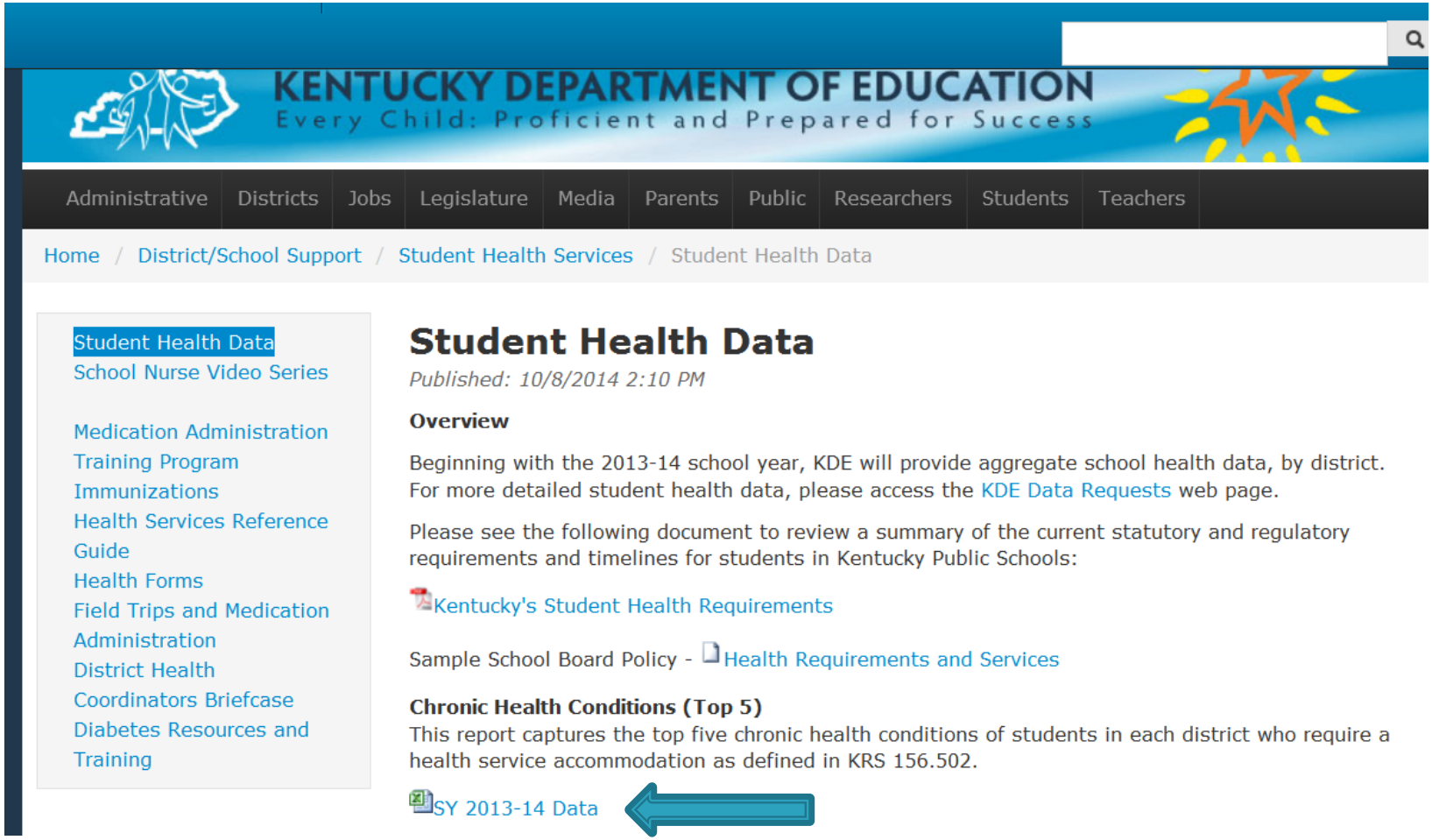


All students with a health condition that requires a health service during school day or school-sponsored event must be entered.

KDE Web Site – "Open House"



Our Student Health Data Web Site



Criteria for Selected Districts

- District has an RN assigned to each school.
- The school has students identified with a health condition of asthma.
- The RNs in all schools agree to use the KSIS for recording student health data.
- School has elementary and/or middle school students (K-8).
- 50% or more students eligible for free/reduced lunch

Baseline Data for Grant

- 6 school districts selected to participate
- Baseline on asthma from KSIS – hard data
- Schools review monthly student attendance data and identify students with asthma who also have 6 or more absences.
- Schools implement written policies and protocols to reduce absences (School Level Attendance Interventions via RN)
- Document an increase in the number of student's with asthma who also have an IHP and/or EAP.

Student Asthma Data 2013-14

- Total days absent for students with asthma: **19,203.5**
- Total number of students with asthma documented in KSIS: **1,890**
- Average number of absences per student: **10.1**

Breathitt County

- Breathitt County, Kentucky – Eastern KY, Appalachian school district
- In 12-13, prior to interventions and RNs in place in all schools, there were 432 students with known health conditions with 6 or more absences in a 6 month period (August-December)

Breathitt County Policies

- Stricter school board level attendance policies
- Better tracking of health office visits
- Implementation of School Level Attendance Interventions: School Nurse has to see the students before he or she is sent home "sick"
- Documentation includes more IHPs and EAPs in place and implemented in the schools

Breathitt Policies, continued

- Attendance % indication overall student and teacher attendance for each school sent via email to all school employees daily
- Better communication among school staff
- District plan to mitigate asthma related absences included HVAC evaluated for particle analysis of classrooms with highest # students with asthma in KSIS

Breathitt County Gets Results!

- In 13-14, RNs and interventions were in place, there were 226 students with known health conditions with 6 or more absences in the same 6 month period (August-December)
- **This is a 50% increase in attendance in the number of students with identified health conditions in one school year!**

Mercer County

- Central Kentucky school district
- Stricter attendance policies that include School Level Attendance Interventions:
  - After 4 absences (excused or unexcused): The school counselor completes a district "at risk" survey to identify barriers
  - After 5 absences (excused or unexcused): a home visit is conducted by school staff

Success Story

Middle school student had several tardies as well as absences related to asthma attacks. Mom stated he wasn't getting much relief with inhaler use and was missing bus because of nebulizer treatment. Mom didn't feel comfortable sending nebulizer back and forth to school each day. School purchased nebulizer for health office, and new MD orders received to administer albuterol nebs or inhaler prn.

Getting Ready for School

- Redi Fest- no cost "one stop" to assist parents getting child ready for school
- Crown jewel: health offerings- free physicals, including BMI, dental, vision and hearing exams
- Booth for asthma information, including free spacers for students with asthma
- Over 1,000 students and their families attended July, 2014.

Getting ready for school…

Crown jewel: health offerings- free physicals, including BMI, dental, vision and hearing exams

Well attended…

- Booth for asthma information, including free spacers for students with asthma
- Over 1,000 students and their families attended July, 2014.

Local physician participation…

Contact Information

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