

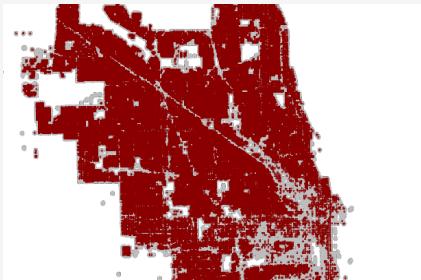
DRIVEN DATA

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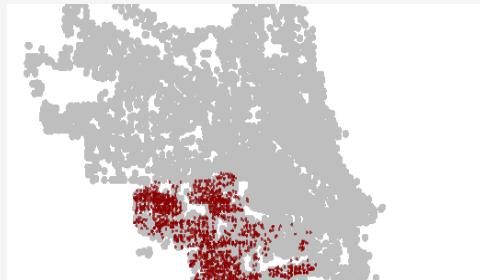


Prediction Saves Time & Money

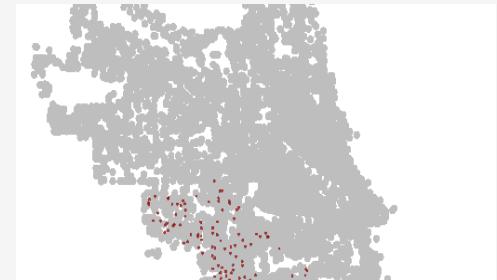
No Prediction



Current Model



Model Forecast



Lead Paint Inspection

Buildings: 197,157

Time: 76 years

Money: \$98 million

Buildings: 42,695

Time: 16.4 years

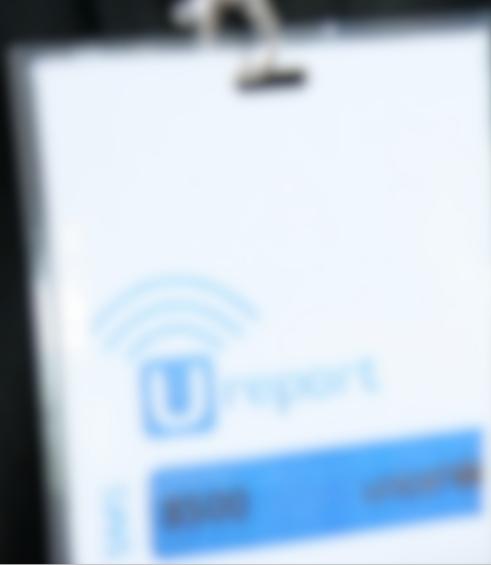
Money: \$21.3 million

Buildings: 378

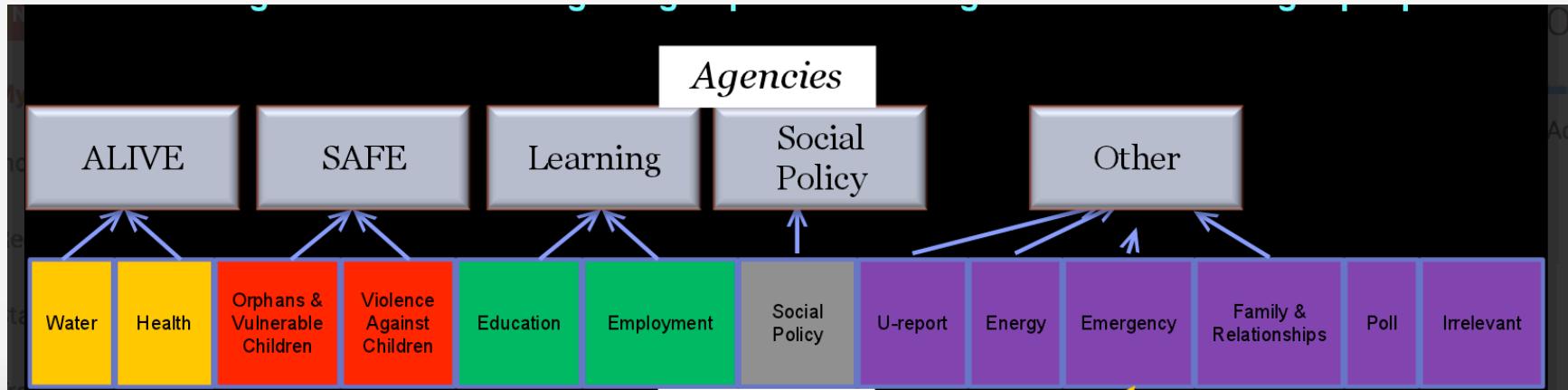
Time: 2 months

Money: \$189,000

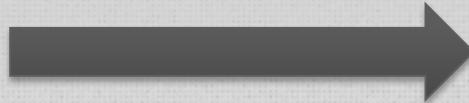
UNICEF uReport



uReport: Text Message Classifier



AUC
71.2



AUC
85.2

User: brian

Image: KE2013071461-iron.png

Number Left: 1452



Identify Villages in Need

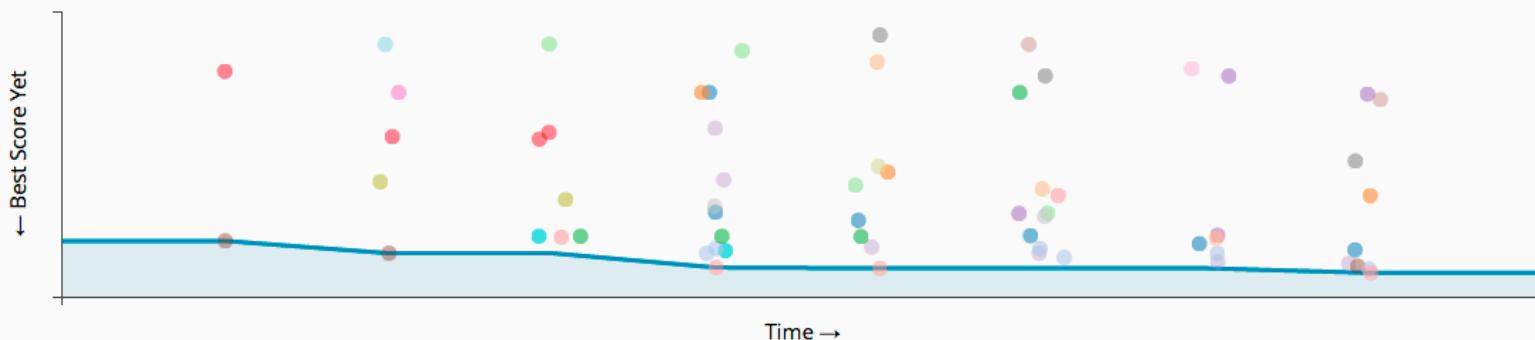
**Instructions:**

- Identify **thatch** roofs by clicking on them.
- Identify **iron** roofs by shift+clicking on them.
- If you need to restart, press 'Clear'.
- When you're done with an image, press 'Submit'

Labels:

- iron x: 133, y: 227
- thatch x: 68, y: 230
- thatch x: 23, y: 118
- thatch x: 65, y: 95
- thatch x: 299, y: 131
- thatch x: 360, y: 171
- iron x: 374, y: 353
- thatch x: 139, y: 376
- thatch x: 180, y: 217
- thatch x: 203, y: 234
- thatch x: 269, y: 223
- iron x: 276, y: 150
- thatch x: 269, y: 44
- thatch x: 17, y: 326





Box-Plots for Education

Ends: Jan. 6, 2015, 11:59 p.m.

🏆 \$7,500.00

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- [Prize Breakdown](#)

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Dear competitor,

Thank you for signing up! We're thrilled to have you on board. We wanted to start off by explaining why this competition is so important to us.

At ERS, our primary work is **helping school districts use their resources more strategically**—this is easier said than done. Unlike companies, which often benefit from the financial transparency and/or public analysis of their peers, **school districts often have no reliable ways to compare their spending to other districts**. While some (though not all) of these expenditures are public, the comparisons are not "apples to apples," since there are no standardized reporting structures. As a result, superintendents, CFOs, principals, and other district decision-makers are left in the dark.

In order to compare budget or expenditure data across districts, ERS assigns every line item to certain categories in a comprehensive financial spending framework. For instance, **Object_Type** describes what the spending "is"—Base Salary/Compensation, Benefits, Stipends & Other Compensation, Equipment & Equipment Lease, Property Rental, and so on. Other categories describe what the spending "does," which groups of students benefit, and where the funds come from.



Education Resource Strategies

We are budgeting our things

**Beware
there be
dollars
here**

Budget

**Monies
for
making
students
good**

\$

Expenditures



LABELS									DATA				
Function	Use	Sharing	Reporting	Student_Type	Position_Type	Object_Type	Pre_K	Operating_Status	Object_Description	Text_2	SubFund_Description	Job_Title_Description	
Teacher Compensation	Instruction	School Reported	School	NO_LABEL	Teacher	NO_LABEL	NO_LABEL	PreK-12 Operating	CONTRACTOR SERVICES	BOND EXPENDITURES	BUILDING FUND	Teacher-Elementary	
NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	Non-Operating	PERSONAL SERVICES - TEACHERS		(blank)		
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Base Salary/Compensation	Non PreK	PreK-12 Operating	TEACHER COVERAGE FOR TEACHER	TEACHER SUBS	GENERAL FUND	TCHER 2ND GRADE	
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Benefits	NO_LABEL	PreK-12 Operating	EMPLOYEE BENEFITS	TEACHER SUBS	GENERAL FUND	Teacher, Short Term Sub	
Substitute Compensation	Instruction	School Reported	School	Unspecified	Teacher	Substitute Compensation	NO_LABEL	PreK-12 Operating	CONTRA BENEFITS	TEACHER SUBS	GENERAL FUND	Teacher, Secondary (High)	
Facilities & Maintenance	O&M	School Reported	School	Unspecified	Custodian	Benefits	NO_LABEL	PreK-12 Operating	EDUCATIONAL	SPECIAL EDUCATION INSTRUCTION	LOCAL	Custodian - PT - Jobs	
Instructional Materials & Supplies	Instruction	School Reported	School	Special Education	Non-Position	Supplies/Materials	NO_LABEL	PreK-12 Operating	EMPLOYEE BENEFITS	TEACHER SUBS	GENERAL FUND	Sub Manager, Food Service	
Food Services	O&M	School on Central Budgets	Non-School	Unspecified	Coordinator/Manager	Benefits	NO_LABEL	PreK-12 Operating	EMPLOYEE BENEFITS	TEACHER SUBS	GENERAL FUND	Teacher, Elementary	
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Benefits	NO_LABEL	PreK-12 Operating	EMPLOYEE BENEFITS	TEACHER SUBS	GENERAL FUND	Teacher,Retrd Shrt Term Su	
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Benefits	NO_LABEL	PreK-12 Operating	EMPLOYEE BENEFITS	TEACHER SUBS	GENERAL FUND	Teacher,Title I-ELEM	
NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	Non-Operating	EQUIPMENT *	Support Services - Administration			
Instructional Materials & Supplies	Instruction	School Reported	School	NO_LABEL	NO_LABEL	Supplies/Materials	NO_LABEL	PreK-12 Operating	SUPPLIES	PRIMARY GRADES PROGRAM			
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Base Salary/Compensation	Non PreK	PreK-12 Operating	PERSONAL SERVICES - TEACHERS			TCHER P E (ELEM POSITION)	
NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	Non-Operating	REGULAR *				
NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	Operating, Not PreK-12	OTHER PERSONAL SERVICES			SUB TEACHER ALL	
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Substitute Compensation	Non PreK	PreK-12 Operating	Salaries And Wages For Substitute Professionals		Operations	TEACHER SUBSTITUTE POOL	
Instructional Materials & Supplies	Instruction	School Reported	School	Poverty	Supplies/Materials	NO_LABEL	PreK-12 Operating	SUPPLIES				TEACHER, TITLE I-ELEM	
Security & Safety	O&M	Leadership & Management	Non-School	Unspecified	Other	Base Salary/Compensation	Non PreK	PreK-12 Operating	REGULAR *	ADM/PROF	Operation and Maintenance of Plant Services	ADMIN LIEUTENANT COMM	
Utilities	O&M	School Reported	School	Unspecified	Non-Position	Rent/Utilities	NO_LABEL	PreK-12 Operating	ELECTRICITY	OPERATIONS - UTILITIES	GENERAL FUND	(blank)	
NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	Non-Operating	NON-CERTIFIED TRAVEL REIMBURSEMENT	Support Services - Instructional Staff			
NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	Non-Operating	PURCHASED SERVICES	Support Services-Pupils			
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Base Salary/Compensation	NO_LABEL	PreK-12 Operating	SALARIES OF PART TIME EMPLOYEE	TEACHER SUBS	GENERAL FUND	Teacher, Short Term Sub	
Teacher Compensation	Instruction	School Reported	School	Poverty	Teacher	Base Salary/Compensation	Non PreK	PreK-12 Operating	REGULAR *	TEACHER	Special Instruction	TCHER, SCNDY ENGLISH	
NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	Operating, Not PreK-12	BONUSES			ESE CLERICAL ASSISTANT II	
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Substitute Compensation	Non PreK	PreK-12 Operating	PERSONAL SERVICES - SUBSTITUTE TEACHERS CERTIFIED				
Teacher Compensation	Instruction	School Reported	School	Poverty	Teacher	Base Salary/Compensation	Non PreK	PreK-12 Operating	PERSONAL SERVICES - TEACHERS			TCHER ENGLISH (SECONDARY)	
NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	Non-Operating	EQUIPMENT *	Support Services - Instructional Staff			
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Benefits	NO_LABEL	PreK-12 Operating	EMPLOYEE BENEFITS	GENERAL FUND		Teacher, Short Term Sub	
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Benefits	NO_LABEL	PreK-12 Operating	EMPLOYEE BENEFITS	GENERAL FUND		Teacher, Elementary	
Student Transportation	O&M	Shared Services	Non-School	Unspecified	Other	Other Compensation/Stipend	Non PreK	PreK-12 Operating	EXTRA DUTY PAY/OVERTIME FOR SUPPORT PERSONNEL	Operations		TRANSPORTATION,BUS DR	
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Benefits	NO_LABEL	PreK-12 Operating	CONTRA BENEFITS	GENERAL FUND		Teacher,Spec Ed Center Pr	
Teacher Compensation	Instruction	School Reported	School	Poverty	Teacher	Base Salary/Compensation	Non PreK	PreK-12 Operating	REGULAR *	TEACHER	Special Instruction	TCHER, SCNDY MATH	
Student Transportation	O&M	Shared Services	Non-School	Unspecified	Other	Other Compensation/Stipend	Non PreK	PreK-12 Operating	EXTRA DUTY PAY/OVERTIME FOR SUPPORT PERSONNEL	Operations		TRANSPORTATION,BUS DR	
NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	Non-Operating	PURCHASED SERVICES	Community Services			
Food Services	O&M	Leadership & Management	Non-School	Unspecified	Coordinator/Manager	Base Salary/Compensation	NO_LABEL	PreK-12 Operating	SALARIES OF REGULAR EMPLOYEES	FOOD SERVICES	FOOD SERVICE FUND	Manager, Food Service IV	
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Base Salary/Compensation	NO_LABEL	PreK-12 Operating	SALARIES OF PART TIME EMPLOYEE	TEACHER SUBS	GENERAL FUND	Teacher,Retrd Shrt Term Su	
Food Services	O&M	School Reported	School	Unspecified	Other	Base Salary/Compensation	NO_LABEL	PreK-12 Operating	OTHER SUPPORT PERSONNEL			FOOD SERVICE ASSISTANT	
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Benefits	NO_LABEL	PreK-12 Operating	EMPLOYEE BENEFITS	GENERAL FUND		Teacher, Elementary	
Parent & Community Relations	Pupil Service	School Reported	School	Poverty	Non-Position	Supplies/Materials	NO_LABEL	PreK-12 Operating	GENERAL SUPPLIES	FEDERAL GDGP FUND - FY	(blank)		
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Other Compensation/Stipend	Non PreK	PreK-12 Operating	PERSONAL SERVICES - OTHER COMPENSATION				
Teacher Compensation	Instruction	School Reported	School	Poverty	Teacher	Other Compensation/Stipend	Non PreK	PreK-12 Operating	PERSONAL SERVICES - IN SERVICE				
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Substitute Compensation	NO_LABEL	PreK-12 Operating	OTHER PERSONAL SERVICES			SUB TEACHER ALL	
Extended Time & Tutoring	Instruction	School Reported	School	Poverty	Teacher	Other Compensation/Stipend	NO_LABEL	PreK-12 Operating	EXTRA DUTY PAY-INSTRUCTIONAL			TEACHER, SOC STUDIES-HIGH	
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Other Compensation/Stipend	NO_LABEL	PreK-12 Operating	ADDITIONAL/EXTRA DUTY PAY/STIP	GENERAL FUND		Teacher, Disability Access	
Facilities & Maintenance	O&M	School Reported	School	Unspecified	Custodian	Other Compensation/Stipend	Non PreK	PreK-12 Operating	EXTRA DUTY PAY/OVERTIME FOR SUPPORT PERSONNEL	Operations		CUSTODIAN REGULAR	
Enrichment	Pupil Service	Shared Services	Non-School	Unspecified	Teacher	Other Compensation/Stipend	NO_LABEL	PreK-12 Operating	ADDITIONAL/EXTRA DUTY PAY/STIP	CITY WIDE MUSIC GROUPS	GENERAL FUND	Teacher, Secondary (High)	
Instructional Materials & Supplies	Instruction	School Reported	School	NO_LABEL	NO_LABEL	Supplies/Materials	NO_LABEL	PreK-12 Operating	SUPPLIES			PRIMARY GRADES PROGRAM	
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Substitute Compensation	NO_LABEL	PreK-12 Operating	OTHER PERSONAL SERVICES			SUB TEACHER ALL	
Facilities & Maintenance	O&M	School Reported	School	Unspecified	Custodian	Base Salary/Compensation	NO_LABEL	PreK-12 Operating	CUSTODIAL SERVICES	LOCAL		CUSTODIAN	
NO_LABEL	NO_LABEL	NO_LABEL	Non-School	NO_LABEL	NO_LABEL	Supplies/Materials	NO_LABEL	PreK-12 Operating	SUPPLIES			HIGH SCHOOL GENERAL ED PROGRAM 9-12	
NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	Non-Operating	EMPLOYEE BENEFITS	UNASSIGNED PERS/PAID LEAVES	GENERAL FUND	Principal	
Special Population Program Manager	ISPD	Leadership & Management	Non-School	Special Education	Other	Other Compensation/Stipend	NO_LABEL	PreK-12 Operating	WORKSHOP PARTICIPANT	ESL/BILINGUAL EDUCATION	LOCAL	ESE SCHOOL SPECIALIST	
Teacher Compensation	Instruction	School Reported	School	ELL	Teacher	Base Salary/Compensation	NO_LABEL	PreK-12 Operating				Teacher	
Extended Time & Tutoring	Instruction	School Reported	School	Unspecified	Teacher	Other Compensation/Stipend	Non PreK	PreK-12 Operating	Salaries And Wages For Teachers And Other Professi			TEACHER, BILINGUAL EDUC	
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Benefits	NO_LABEL	PreK-12 Operating	CONTRA BENEFITS			Teacher, Secondary (High)	
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Base Salary/Compensation	NO_LABEL	PreK-12 Operating	SALARIES OF REGULAR EMPLOYEES			Teacher, Secondary (High)	
NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	NO_LABEL	Non-Operating	OTHER NON-CERTIFIED SALARIES	Support Services - Instructional Staff			
Food Services	O&M	School Reported	School	Unspecified	Other	Benefits	NO_LABEL	PreK-12 Operating	CONTRA BENEFITS	GENERAL FUND		Food Service Worker II	
Facilities & Maintenance	O&M	School Reported	School	Unspecified	Custodian	Base Salary/Compensation	Non PreK	PreK-12 Operating	PERSONAL SERVICES - CUSTODIANS			CUSTODIAN	
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Benefits	NO_LABEL	PreK-12 Operating	EMPLOYEE BENEFITS	GENERAL FUND		Teacher, Secondary (High)	
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Base Salary/Compensation	NO_LABEL	PreK-12 Operating	SALARIES OF PART TIME EMPLOYEE	TEACHER SUBS	GENERAL FUND	Teacher,Retrd Shrt Term Su	
NO_LABEL	NO_LABEL	NO_Label	School	NO_Label	NO_Label	Contracted Services	NO_Label	PreK-12 Operating	OTHER PURCHASED SERVICES			LEARN AND SERVE AMERICA	
Teacher Compensation	Instruction	School Reported	School	NO_Label	Teacher	NO_Label	NO_Label	PreK-12 Operating				Teacher-Inter Related Re	
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Benefits	NO_Label	PreK-12 Operating	CONTRA BENEFITS			Teacher, Super Sub Rtd D	
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Benefits	NO_Label	PreK-12 Operating	CONTRA BENEFITS			Teacher, Elementary	
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Substitute Compensation	NO_Label	PreK-12 Operating	TEACHER COVERAGE FOR TEACHER	TEACHER SUBS	GENERAL FUND	Teacher, Short Term Sub	
Substitute Compensation	Instruction	School Reported	School	Unspecified	Teacher	Substitute Compensation	Non PreK	PreK-12 Operating	Salaries And Wages For Substitute Professionals	Operations		TEACHER SUBSTITUTE POOL	
Enrichment	Pupil Service	School on Central Budgets	Non-School	Unspecified	NO_Label	Supplies/Materials	Non PreK	PreK-12 Operating	General Supplies				
Teacher Compensation	Instruction	School Reported	School	Unspecified	Substitute	Substitute Compensation	Non PreK	PreK-12 Operating	CLASSROOM TEACHER			TEACHER, SOC STUDIES-MIL	
Substitute Compensation	Instruction	School Reported	School	Unspecified	Teacher	Base Salary/Compensation	NO_Label	PreK-12 Operating	Salaries And Wages For Substitute Professionals	Operations		TEACHER SUBSTITUTE POOL	
Teacher Compensation	Instruction	School Reported	School	Special Education	Teacher	Base Salary/Compensation	Non PreK	PreK-12 Operating	Salaries And Wages For Teachers And Other Professi	Operations		TEACHER, SPECIAL EDUCAT	
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Other Compensation/Stipend	Non PreK	PreK-12 Operating	PERSONAL SERVICES - TEACHERS				
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Benefits	NO_Label	PreK-12 Operating	EMPLOYEE BENEFITS	TEACHER SUBS	GENERAL FUND	Teacher, Short Term Sub	
NO_Label	NO_Label	NO_Label	NO_Label	NO_Label	NO_Label	NO_Label	NO_Label	Non-Operating	OTHER GENERAL SUPPLIES	Community Services			
Substitute Compensation	Instruction	School on Central Budgets	Non-School	Unspecified	Substitute	Base Salary/Compensation	NO_Label	PreK-12 Operating	SALARIES OF PART TIME EMPLOYEE	TEACHER SUBS	GENERAL FUND	Teacher, Super Sub D/D	
School Supervision	Leadership & Management	Non-School	Unspecified	Area Officers	Base Salary/Compensation	NO_Label	PreK-12 Operating	SALARIES OF REGULAR EMPLOYEES	POST SECONDARY READINESS	GENERAL FUND	Supt, Instructional		
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Benefits	NO_Label	PreK-12 Operating	EMPLOYEE BENEFITS	TEACHER SUBS	GENERAL FUND	Teacher, Short Term Sub	
Teacher Compensation	Instruction	School Reported	School	Unspecified	Teacher	Benefits	NO_Label	PreK-12 Operating	RETIREMENT CONTRIB.	GENERAL FUND		Teacher Secondary (Middle)	
Substitute Compensation	Instruction	School Reported	School	Special Education	Substitute	Substitute Compensation	Non PreK	PreK-12 Operating	PERSONAL SERVICES - SUBSTITUTE TEACHERS CERTIFIED				
Substitute Compensation	Instruction	School Reported	School	Unspecified	Substitute	Benefits	NO_Label	PreK-12 Operating	EMPLOYEE BENEFITS			Teacher, Short Term Sub	
Student Transportation	O&M	Shared Services	Non-School	Special Education	Other	Base Salary/Compensation	NO_Label	PreK-12 Operating	SALARIES OF PART TIME EMPLOYEE	TRANSPORTATION	GENERAL FUND	Bus Driver Less than Yr	

New Data

Regular *	TEACHER	Special Instruction	TCHR, SCNDY MATH	Certificated Employees Salaries And Wages	IN OTH CERTIFICATED PERSON	1 Disadvantaged Youth *	\$104,928.19	Title I - Disadvantaged Children/ Targeted Assistance	BUILDING ALLOCATIONS
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Predictions!

Function	Use	Sharing	Reporting	Student_Type	Position_Type	Object_Type	Pre_K	Operating_Status
Teacher Compensation 98%	Instruction 85%	School Reported 70%	School 75%	Poverty 95%	Teacher 99%	Base Salary/ Compensation 94%	Non PreK 98%	PreK-12 Operating 98%
Food Services 1%	O&M 10%	School on Central Budgets 20%	Non-School 18%	Unspecified 3%	Coordinator/ Manager 0.5%	Benefit 3.5%	NO_LABEL 0.7%	Operating, Not PreK-12 1.1%
NO_LABEL 1%	NO_LABEL 5%	NO_LABEL 10%	NO_LABEL 7%	NO_LABEL 2%	NO_LABEL 0.5%	Supplies/ Materials 2.5%	PreK 0.3%	Non-operating 0.9%



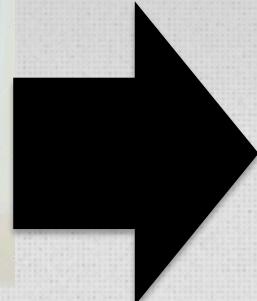
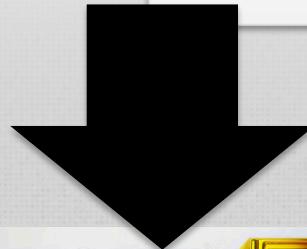
Education Resource Strategies

Budget

**Beware
there be
dollars
here**

We are budgeting our things

Monies for *making* **students *good***



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School enrollment, secondary (% gross), Latest Available

School enrollment, secondary
(% gross)

Latest Available

- > 98
- 90 to 98
- 78 to 90
- 44 to 78
- < 44
- no data

Predicting Millennium Development Goals

School enrollment, secondary (% gross), Latest Available

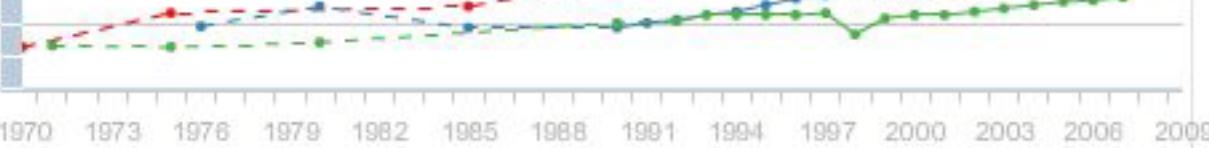
[Graph](#)[Indicator Information](#)[Ranking Table](#) Display World[Russian Federation](#)[India](#)[China](#)[Brazil](#)

120

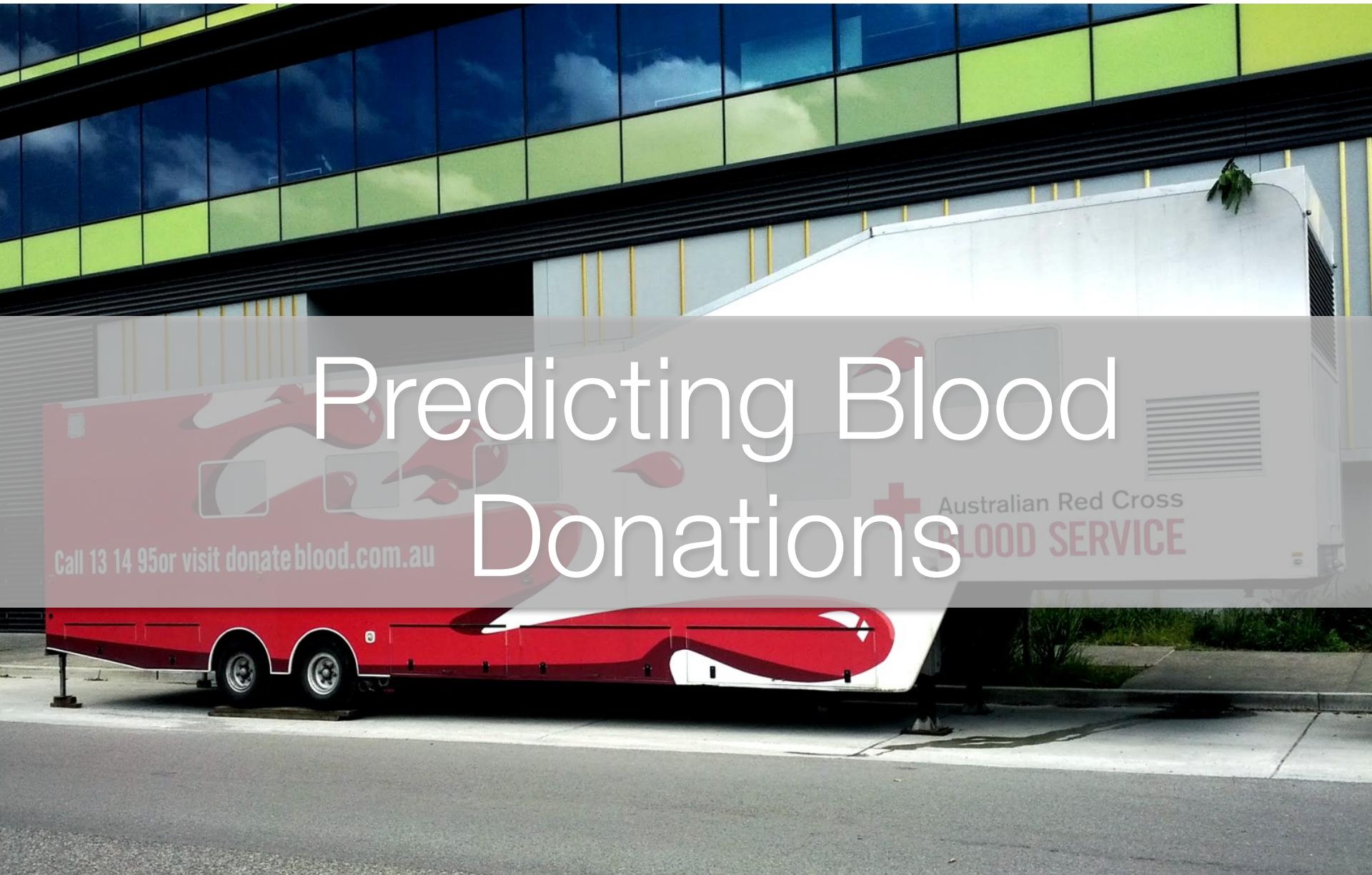
80

40

0



Predicting Blood Donations



Questions?



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