

Before beginning the survey, please tell us about yourself.

*** 1. I am a...**

Illinois school nurse
School health aid
School administrator
None of the above

*** 2. While working at your current school, have any students/staff experienced a severe allergic reaction?**

Yes
No
Unsure

*** 3. How confident do you feel about your ability to react to a child who is having a food allergy reaction?**

Not confident
Fairly confident
Confident
Unsure

*** 4. How much of your confidence is due to your district's food allergy policy?**

Most
Some
None
Not applicable/no policy

*** 5. Do you feel you still need additional training to be able to manage a child who is having a food allergy reaction?**

Yes
No

*** 6. Does your district have a new policy on maintaining a supply of epinephrine (undesignated EpiPens) in your school?**

Yes
No
Unsure

*** 7. Do you support this new policy?**

Yes
Indifferent
No, because _____

*** 8. Do you think children with food allergy are now safer in schools due to this new policy?**

Yes
Indifferent
No, because _____

*** 9. Is this new policy sufficient to keep children with food allergy safe in schools?**

Yes
Indifferent
No, because _____

*** 10. Is there any part of the policy that bothers you?**

No
Indifferent
Yes, _____

*** 11. How can the new policy be improved?**

FIGURE E1. Survey questions. The survey was administered via [surveymonkey.com](https://www.surveymonkey.com).

The policy is fine
Indifferent
The policy can be improved by _____

*** 12. Is there a written plan or protocol in place at your school which outlines what staff are to do if a child is having a severe allergic reaction?**

Yes
No
Unsure

*** 13. General food allergy knowledge**

	True	False	I don't know
Asthma is an important risk factor for severe allergic reactions.	Asthma is an important risk factor for severe allergic reactions. True	Asthma is an important risk factor for severe allergic reactions. False	Asthma is an important risk factor for severe allergic reactions. I don't know
A child can die from a milk allergy reaction.	A child can die from a milk allergy reaction. True	A child can die from a milk allergy reaction. False	A child can die from a milk allergy reaction. I don't know
Teenagers are at higher risk for fatal food allergy compared to younger children.	Teenagers are at higher risk for fatal food allergy compared to younger children. True	Teenagers are at higher risk for fatal food allergy compared to younger children. False	Teenagers are at higher risk for fatal food allergy compared to younger children. I don't know
Taking a daily antihistamine is effective for preventing a food allergy reaction.	Taking a daily antihistamine is effective for preventing a food allergy reaction. True	Taking a daily antihistamine is effective for preventing a food allergy reaction. False	Taking a daily antihistamine is effective for preventing a food allergy reaction. I don't know

*** 14. Which of the following doses of epinephrine (i.e. EpiPen) would you administer to a child who weighs 60 lbs (27kg)?**

0.15 mg of epinephrine (i.e. EpiPen Jr.)
0.3 mg of epinephrine (i.e. EpiPen)
Neither of the above
I don't know

*** 15. Which location do you instruct your patients to inject epinephrine (i.e.**

	Agree	Disagree	Indifferent
Most people in my school take food allergy seriously.	Most people in my school take food allergy seriously. Agree	Most people in my school take food allergy seriously. Disagree	Most people in my school take food allergy seriously. Indifferent
Children with food allergies are teased at school.	Children with food allergies are teased at school. Agree	Children with food allergies are teased at school. Disagree	Children with food allergies are teased at school. Indifferent
All classrooms should be nut-free (e.g. peanuts, tree nuts).	All classrooms should be nut-free (e.g. peanuts, tree nuts). Agree	All classrooms should be nut-free (e.g. peanuts, tree nuts). Disagree	All classrooms should be nut-free (e.g. peanuts, tree nuts). Indifferent
Elementary schools should have special tables where children with food allergies can safely eat lunch.	Elementary schools should have special tables where children with food allergies can safely eat lunch. Agree	Elementary schools should have special tables where children with food allergies can safely eat lunch. Disagree	Elementary schools should have special

FIGURE E1. (Continued).



FIGURE E1. (Continued).

Elementary school
Middle school
Junior high school
High school

*** 21. How would you classify your current school(s)?**

Rural
Suburban
Urban

*** 22. What is your gender?**

Male
Female

*** 23. How old are you?**

18 – 24
45 - 65

25 – 44
Over 65

*** 24. What is your race/ethnicity? Mark all that apply.**

White
African American
Hispanic or Latino
Asian
Other (please specify)

*** 25. What is the highest education level you have completed?**

Less than high school
High school
2 year college
4 year college
Graduate degree

*** 26. Please tell us about your staff's training on food allergy.**

	Not confident	Fairly confident	Confident	Unsure
How confident do you feel that a severe allergic reaction would be recognized by your staff?	How confident do you feel that a severe allergic reaction would be recognized by your staff? Not confident	How confident do you feel that a severe allergic reaction would be recognized by your staff? Fairly confident	How confident do you feel that a severe allergic reaction would be recognized by your staff? Confident	How confident do you feel that a severe allergic reaction would be recognized by your staff? Unsure
How confident do you feel that your staff would know what to do if a student had a severe allergic reaction IN THE CLASSROOM?	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction IN THE CLASSROOM? Not confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction IN THE CLASSROOM? Fairly confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction IN THE CLASSROOM? Confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction IN THE CLASSROOM? Unsure

FIGURE E1. (Continued).

How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON A FIELD TRIP?	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON A FIELD TRIP? Not confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON A FIELD TRIP? Fairly confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON A FIELD TRIP? Confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON A FIELD TRIP? Unsure
How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON THE PLAYGROUND?	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON THE PLAYGROUND? Not confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON THE PLAYGROUND? Fairly confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON THE PLAYGROUND? Confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON THE PLAYGROUND? Unsure
How confident do you feel that your staff would know what to do if a student had a severe allergic reaction IN THE CAFETERIA?	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction IN THE CAFETERIA? Not confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction IN THE CAFETERIA? Fairly confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction IN THE CAFETERIA? Confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction IN THE CAFETERIA? Unsure
How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON THE BUS?	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON THE BUS? Not confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON THE BUS? Fairly confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON THE BUS? Confident	How confident do you feel that your staff would know what to do if a student had a severe allergic reaction ON THE BUS? Unsure

*** 27. In your absence, who would manage a severe allergy emergency?**
 Administrator
 Teacher
 Substitute nurse
 Non-teaching staff
 Other (please specify)

*** 28. Has your principal asked you (or expects you) to provide food allergy education to the staff?**
 Yes
 No

FIGURE E1. (Continued).

*** 29. How confident would you feel in providing food allergy training at your school in the next month?**

Not confident
Fairly confident
Confident
Unsure

*** 30. Have you provided food allergy training for school staff within the past year?**

Yes
No

*** 31. How much time are you given to provide food allergy training?**

Minutes per year:

*** 32. During training, each staff member is asked to demonstrate correct epinephrine administration technique with a training device.**

None of the time
Some of the time
Most of the time

*** 33. Has your principal asked you (or expects you) to conduct an anaphylaxis drill?**

Yes
No

*** 34. How confident would you feel in leading an anaphylaxis drill at your school in the next month?**

Not confident
Fairly confident
Confident
Unsure

*** 35. Have you conducted anaphylaxis drills within the past year?**

Yes
No

*** 36. Please briefly describe your anaphylaxis drills.**

*** 37. Who do you think should be part of an anaphylaxis drill? Mark all that apply.**

Principal
Assistant Principal
Office staff
Students
Classroom teacher
Cafeteria monitor
Cafeteria staff
Other (please specify)

*** 38. Who should be in charge of running a drill in the school?**

Principal
Nurse
Other (please specify)

39. What are the biggest barriers to conducting anaphylaxis drills in your school?

40. What are the biggest things that would help you conduct anaphylaxis drills in your school?

*** 41. Would an online module outlining steps to conduct, record and evaluate an anaphylaxis drill be helpful for you?**

Yes
No
Unsure

42. Do you have any comments about this survey?

FIGURE E1. (Continued).

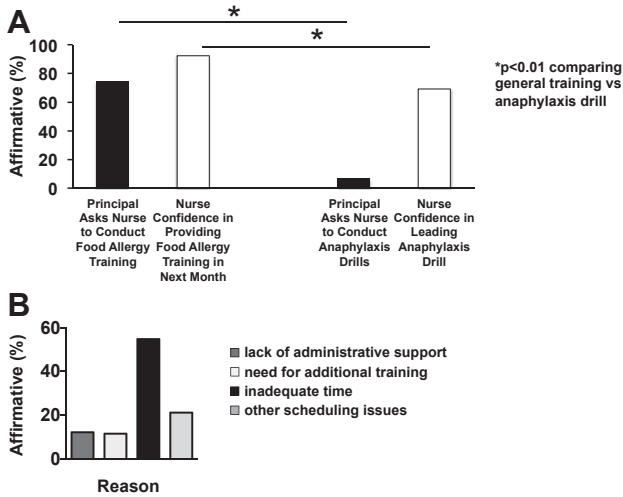


FIGURE E2. Food allergy training in Illinois schools. **A**, With regard to education, general food allergy training is most often provided. Despite the request for anaphylaxis drills in the State Guidelines, they were rarely asked for or conducted, and nurses report decreased confidence in leading an anaphylaxis drill compared with general training (black bars = asked by principal, white bars = nurse confidence). **B**, Nurses' perceived barriers to conducting anaphylaxis drills despite inclusion in the Illinois State Guidelines. There was no difference between community types or school level. * $P < .01$ compares principal requests and nurse confidence in conducting food allergy training vs anaphylaxis drills.

TABLE E1. School description; total percentages are greater than 100 because nurses typically covered more than 1 school

	N = 1012	Percentage
Location of current school		
Suburban	662	65.4
Rural	225	22.2
Urban	125	12.4
Level of current school		
Preschool	405	40
Elementary	713	70.5
Middle school	422	41.7
Junior high	286	28.3
High school	337	33.3

TABLE E2. Failure to give epinephrine

Community type	No epinephrine given (total n)	Epinephrine not available (n, %)	Benadryl only given (n, %)	Reason not specified (n, %)
Rural	7	6 (85.7%)	1 (14.3%)	0 (0%)
Urban	4	2 (50%)	2 (50%)	0 (0%)
Suburban	17	8 (47%)	5 (29.4%)	3 (17.6%)

TABLE E3. High risk areas of concern for food allergy reactions: nurse confidence in staff's ability to handle a severe allergic reaction by community type and student age

How confident do you feel that your staff would know what to do if a student had a severe allergic reaction...	Total respondents not confident or unsure (%)	Preschool/elementary school (n, %)	Middle/junior high school (n, %)	High school (n, %)	<i>P</i> value
In the classroom	68 (15.9)	30	21	17	.67
On a field trip	70 (16.3)	20 (23.0)	40 (15.2)	10 (20.4)	.29
On the playground	62 (14.5)	19 (43.0)	31 (45.0)	12 (36.7)	.72
In the cafeteria	33 (7.8)	13 (14.9)	25 (9.6)	5 (10.9)	.17
On the school bus	196 (45.7)	41 (47.7)	124 (47.7)	31 (64.6)	.047

How confident do you feel that your staff would know what to do if a student had a severe allergic reaction...	Total respondents not confident or unsure (%)	Rural school respondents (%)	Suburban school respondents (%)	Urban school respondents (%)	<i>P</i> value
In the classroom	45 (11.1)	15 (13.9)	23 (9.5)	7 (10.8)	.034
On a field trip	70 (17.2)	20 (18.5)	40 (16.4)	10 (15.4)	.29
On the playground	62 (15.3)	19 (17.6)	31 (12.8)	12 (36.7)	.72
In the cafeteria	33 (8.1)	13 (12.0)	25 (10.3)	5 (18.5)	.17
On the school bus	196 (48.2)	41 (37.9)	124 (51.0)	31 (47.7)	.047