



# What's Happening in Tennessee?

**School District  
&  
Child Care Center Surveys**

## **UT YEAH! Integrated Pest Management (IPM) Questionnaire**

Collect data from Tennessee child-serving facilities about:

- Official pest management policies
- Use of IPM and other pest management practices
- Use and monitoring of pesticides in facilities and on grounds
- Frequency and “troublesomeness” of pests
- Reports of pesticide-related illnesses
- Training and resource needs



## Pest Management Policies & Practices in Tennessee

### School Districts (2002)

- All 152 TN public school districts
  
- 54 (36%) return
  - Urban 11%
  - Suburban 20%
  - Rural 63%
  - Other 7%

### Child Care Centers (2003)

- Random sample of all 2400 DHS licensed centers
  - Stratified by 8 DHS districts (60/district)
  
- 189 (39%) return:
  - Urban 32%
  - Suburban 33%
  - Rural 34%
  - Other 2%



The data presented here are preliminary.  
Please do not quote or otherwise use  
without the express permission  
of the UT YEAH Research Team.  
Thank you for your consideration.

## Percentage of Facilities with Pest Management Policies

	School Districts (n=54)	Child Care Centers (n=185)
<b>Yes</b>	17.6	22.5
<b>No</b>	76.5	71.4
<b>Don't Know</b>	5.9	6.0



## Percentage of Facilities using IPM

	School Districts (n=54)	Child Care Centers (n=185)
<b>Reported</b>	59.3	51.9
<b>Adjusted</b>	<b>24.5</b>	<b>5.9</b>

Adjusted = Reported minus facilities that spray baseboards or schedule regular pesticide applications





## Materials or Methods Used for Indoor Pests


### NOT good news:

- *High* use of surface/baseboard sprays (increase risk of exposure) used *most or all of the time* (districts, 68.9%; centers, 75.5%)
- *Low* used of crack/crevice treatments (reduce risk of exposure only used *most or all of the time* (districts, 30.6%; centers, 26.1%)


### Good news:

- *Low* use of foggers/aerosols/space sprays (increase risk of exposure) *most or all of the time* (districts, 3.2%, centers, 4.9%)
- *No* use of foggers/aerosols/space sprays (districts, 41.9%; centers, 61.2%)
- *High* use of IPM approaches such as sanitation, appropriate food storage, pest exclusion (e.g., caulking), denying pests water access (districts, > 70%; centers, > 80%)


## What Triggers Pesticide Applications in Facilities?

 YOUTH ENVIRONMENT AND HEALTH	School Districts (n=54)	Child Care Centers (n=188)
<b>Pre-Set Schedule</b>	64.8	78.2
<b>Inspection/ Monitoring</b>	61.1	34.6
<b>Staff See Pest</b>	72.2	61.7
<b>Parent/Child See Pest</b>	20.4	31.9
<b>Pre-set Pest Threshold Exceeded</b>	11.1	1.6
<b>Prep for Special Events</b>	1.9	1.6
<b>Other</b>	0.0	1.1
<b>Don't Know</b>	0.0	2.7

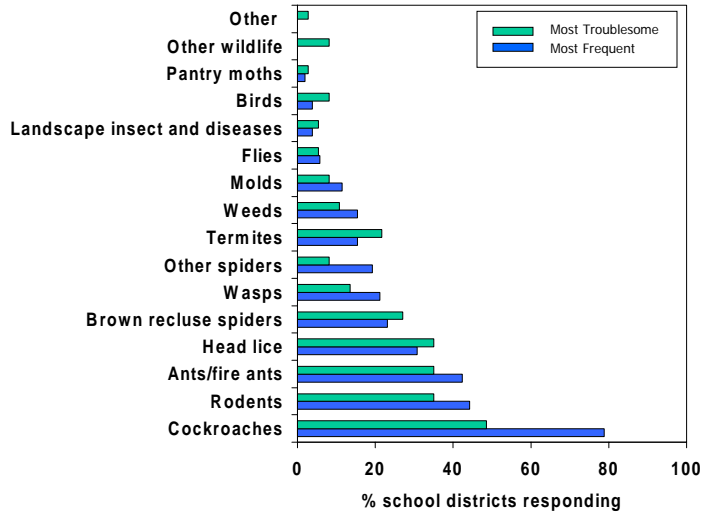
## Percentage of Facilities Reporting Monthly Pesticide Application

 UT YEAH YOUTH ENVIRONMENT AND HEALTH	School Districts (n=43-53)	Child Care Centers (n=152-184)
<b>Food Services</b>	41.5	50.8
<b>In Classrooms</b>	11.5	47.3
<b>Bathrooms, Offices</b>	23.1	46.7
<b>Boiler Rooms/Maintenance, Storage Areas</b>	17.3	50.6
<b>Boiler Rooms/Maintenance, Storage Areas</b>	22.4	43.4
<b>Storage Areas</b>	18.4	44.9
<b>Grounds near Building</b>	2.2	32.7
<b>Athletic Fields / Playgrounds</b>	0.0	30.8


## Who Decides Pesticides Should Be Applied?

 UT YEAH YOUTH ENVIRONMENT AND HEALTH	School Districts (n=54)	Child Care Centers (n=189)
<b>Owner</b>	0.0	35.4
<b>Principal / Director</b>	24.1	48.7
<b>In-House PM Coordinator</b>	9.3	21.2
<b>Designated Staff</b>	0.0	5.3
<b>Any Staff</b>	3.7	23.3
<b>Maintenance/Custodian</b>	16.7	19.0
<b>District Personnel/ Board Member</b>	24.1	13.2
<b>PM Professional</b>	68.5	47.6
<b>Extension Personnel</b>	0.0	0.5
<b>Volunteer</b>	0.0	0.0
<b>Other</b>	1.9	1.1
<b>Don't Know</b>	0.0	1.1


## What have been the most frequent and troublesome pests in the past 3 years? **SCHOOLS**




## Percentage of Facilities that Notify about Spraying

 School Districts (n=51-53)	Child Care Centers (n=184-188)	
<b>Staff Notified</b>	60.4	71.3
<b>Parents Notified</b>	13.5	15.5
<b>Signs Posted</b>	7.8	11.8
<b>Logbook Used</b>	58.8	29.3

## Percentage Head Lice Spraying, Pest, and Pesticide-related Illness Reports in the Last Three Years

 UT YEAH YOUTH ENVIRONMENT AND HEALTH	School Districts (n=51-54)	Child Care Centers (n=186-188)
<b>Head Lice Spraying</b>	9.8	16.1
<b>Pest Reports</b>	66.0	24.5
<b>Pesticide-related Illness Reports</b>	2.0	0.0

## Percentage of Most Useful Aspects of IPM Training

 UT YEAH YOUTH ENVIRONMENT AND HEALTH	School Districts (n=36)	Child Care Centers (n=181)
<b>Learning How-to-do</b>	13.9	27.6
<b>Reducing People's Exposure to Pesticides</b>	32.4	13.8
<b>Reducing People's Exposure to Pests</b>	27.8	8.3
<b>Reducing Pesticides in the Environment</b>	0.0	9.4
<b>Increasing Cost Efficiency of PM</b>	8.3	5.0
<b>Increasing Effectiveness of PM</b>	19.4	14.9
<b>Other</b>	0.0	21.0