

# Indoor Air Pollutants

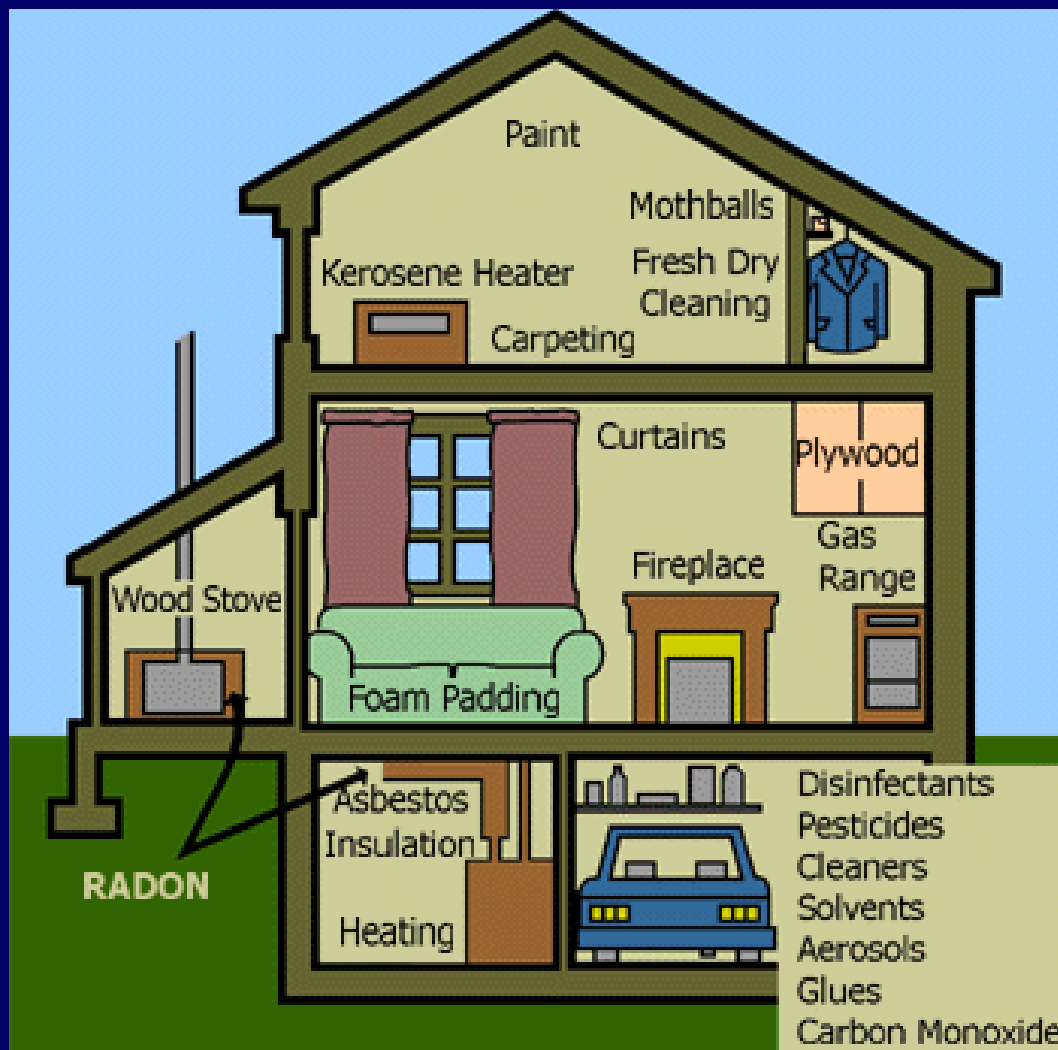
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# Indoor Air Pollutants



# Indoor Air Pollution

- ❖ Up to 90% of time spent indoors
- ❖ More common in new homes and new office buildings
- ❖ Upper respiratory irritation is a common effect
- ❖ Symptoms improve when you leave the building
- ❖ No good standards for homes nor offices



# Presence of Symptoms in the Household: Louisiana and Florida (N=911)

Symptom	N	Percent
Headache	387	42.48
Eye irritation /redness	322	35.35
Dry cough	303	33.26
Irritated throat	280	30.74
Respiratory infection	217	23.82
Nosebleeds	169	18.55
Dry mouth	145	15.92
Rash	116	12.73
Nausea	112	12.29
Dizziness	111	12.18
Diarrhea	91	9.99
Asthma exacerbation	76	8.34
Vomiting	53	5.82
Asthma development	51	5.60
Selected health effects*	572	62.79

\*Selected health effects include headache, nosebleed, dry cough, irritated throat, eye irritation/redness, and asthma exacerbation.



# Number and Percent Reporting at Least One Selected Health Effect by Number of Case Criteria Met: Louisiana and Florida (N=911)

Number of case criteria met	N with at least one selected health effect	Percent with at least one selected health effect
Missing	0	0
0	16	34.78
1	43	43.43
2	94	63.09
3	138	61.06
4	171	68.95
5	110	77.46

# Number and Percent of Households Seeking Medical Treatment, by Age: Louisiana and Florida

Medical treatment sought	N	Percent
Adults (LA: all adults)	153	32.08
Adults (FL: 18-64 years)	108	28.13
Adults (FL: $\geq$ 65 years)	12	15.58
Children < 18 years	112	24.62
Pets	66	19.02

# Presence of Symptoms among 617 Households Reporting Unusual Odors: Louisiana and Florida

Symptom	Yes	No
Headache*	48.62%	51.38%
Respiratory infection*	26.42%	73.58%
Eye irritation /redness*	42.14%	57.86%
Dry cough*	38.57%	61.43%
Irritated throat*	35.49%	64.51%
Nosebleeds*	21.88%	78.12%
Rash*	15.56%	84.44%
Nausea*	15.72%	84.28%
Asthma development	6.32%	93.68%
Asthma exacerbation*	10.70%	89.30%
Dizziness*	15.88%	84.12%
Diarrhea*	11.99%	88.01%
Vomiting	6.65%	93.35%
Dry mouth*	19.12%	80.88%
Selected health effects*	70.34%	29.66%

\*Chi-square p-value <.05.

Selected health effects include headache, nosebleed, dry cough, irritated throat, eye irritation/redness, and asthma exacerbation



# Summary

## Indoor Air

- ❖ **Important source of exposure**
- ❖ **FEMA Trailers/Chinese Drywall**
- ❖ **Needs Research and Guidelines**



# Questions

