

Essentials for Healthy Homes Practitioners

Exercise #2 – Get a Handle on Healthy Homes Statistics

Instructions:

From the References tab in your binder, take out the “American Housing Survey – National 2007” packet. See “Connections – Page 13 of 29.” If you have a separate packet on a specific Metropolitan Statistical Area (MSA), take that out too. Then answer the following questions using the national data or MSA data as assigned by the instructor. The instructor may assign you or your group specific questions to answer.

About the 2007 American Housing Survey National Data Packet: The packet is eleven pages long and consists of two parts:

- **Part 1 Tables from American Housing Survey – Six Pages**
 - Page 1 – General Information: Occupancy, Units in Structure, Year Structure Built, and Foundation
 - Page 2 – Exterior Information: External Building Conditions and Water Leakage During Last 12 Months
 - Page 3 – Interior Information: Damage, Water Leakage During Last 12 Months, Rodents, and Electrical
 - Page 4 – Sanitation & Water Information: Lack of Facilities, Drinking Water Safety; and Sewage Disposal / Safety Equipment:
 - Page 5 – Heating & Fuel Information: Main Heating Equipment, Water Heating Fuel, Clothes Dryer Fuel, and Heating Problems
 - Page 6 – Selected Physical Problems: Severe Physical Problems, Moderate Physical Problems, and Overall Opinion of Structure
- **Part 2 About the American Housing Survey – Five Pages**
 - Page 7 – Overview
 - Page 7 & 8 – Key Definitions Related to Healthy Homes
 - Page 9 – AHS’s Rating System for Physical Problems
 - Page 10 & 11 – Potential Errors in American Housing Survey

The packet for a specific MSA is similar to the 2007 AHS National Data with the following changes:

- The following columns are excluded:
 - Construction < 4 years
 - Manufactured Housing
 - Moved in during the past year
 - Urban Total
 - Rural Total
 - The MSA Data information is compared to next closest National Data. For example, 2002 data is compared to the 2000 National Data.
 - National data is only listed when it is more than 5% different than the national data and both data is more than 0.1%.
 - The packet is seven pages instead of six.
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Write the number for each characteristic listed in the left-hand column on the line for closest number or percentage in the right-hand column. See example for rats. Some numbers or percentages are used more than once. See www.healthyhomestraining.org/AHS/AHS_National_2007_Full_12-30-08.pdf for answers.

1. # of homes with severe physical problems	_____ About 1,800 homes
2. # of homes with moderate physical problems	_____ About 4,000 homes
3. # of homes with either severe or moderate problems	_____ About 6,000 homes
4. % of homes with exterior physical problems	_____ About 10,000 homes
5. % of homes with exterior water leakage in past 12 months	_____ About 1,800,000 homes
6. % of homes with interior water leakage in past 12 months	_____ About 4,000,000 homes
7. % of homes with signs of rats in past 3 months	_____ About 6,000,000 homes
8. % of homes with signs of mice in past 3 months	_____ About 10,000,000 homes
9. % of rental homes built before 1980	_____ About 0.5 - 1.5% homes
10. % of homes with a septic tank, cesspool or chemical toilet	_____ About 5 - 6% of homes
11. % of homes with fuel-burning room heaters without a flue as main heating equipment	_____ About 7.5-12.5% of homes
12. % of homes with gas-fired warm-air furnaces	_____ About 17 - 25% of homes
13. % of homes with piped gas for water heating	_____ About 30 - 35% of homes
14. % of homes with piped gas for clothes dryer	_____ About 50 - 55% of homes
15. % of homes with residents with severe problems rating home 8, 9, or 10 with 10 as best	_____ About 60 - 70% of homes
16. % of homes with severe problems caused by plumbing	_____ About 80 - 85% of homes
	_____ About 90 - 92% of homes
	_____ About 95 - 97% of homes
	_____ About 99 -100% of homes

Checkmark the most common cause of each type of problem.

Exterior water leakage	Interior water leakage	Severe Physical Prob.	Moderate Physical Prob,
<input type="checkbox"/> Walls or window problems	<input type="checkbox"/> Leaking pipes	<input type="checkbox"/> Plumbing	<input type="checkbox"/> Plumbing
<input type="checkbox"/> Basement problems	<input type="checkbox"/> Broken fixtures	<input type="checkbox"/> Heating	<input type="checkbox"/> Heating
<input type="checkbox"/> Roof problems	<input type="checkbox"/> Broken water heater	<input type="checkbox"/> Electric	<input type="checkbox"/> Upkeep
<input type="checkbox"/> Other / Unknown	<input type="checkbox"/> Other / Unknown	<input type="checkbox"/> Upkeep	<input type="checkbox"/> Kitchen