

FAMILY CHILD CARE HOMES: ENVIRONMENTAL HEALTH



Over one million children receive care in FCCH [3]



66% children are in non-parental care 32 hrs/week on average [2]



Early childhood = critical development period [1]



Reducing children's exposure to chemicals in cleaners/pest control products in FCCH is critical to safeguarding their healthy development [4]



How many providers were confident they could perform recommended practices?

- 23% felt they could manage pests without spraying pesticides
- 29% felt they could use less toxic cleaners
- 52% felt they could identify less toxic art supplies
- 49% felt they could improve the air quality in their homes



The Children's Environmental Health (ECO) Intervention Study of Happy Health Homes is led by Dr. Alicia Salvatore in collaboration with Dr. Susan Sisson and the Behavioral Nutrition and Physical Activity Laboratory. This study was funded by the USDA (NIFA 2017-68001-26355). For any questions or comments, please contact us at: nutritionandactivitylab@ouhsc.edu or 405.271.8001x41173.

References

1. National Research Council, Institute of Medicine. From Neurons to Neighborhoods: The Science of Early Childhood Development. Washington, DC: National Academy Press 2000.
2. US Dept of Education, Institute of Education Sciences, National Center for Education Statistics. Digest of Education Statistics, 2009; Number of preschool children under 6 years old, percentage in center-based programs, average hours in nonparental care, and percentage in various types of primary care arrangements, by selected child and family characteristics: 2005. Available at: https://nces.ed.gov/ipeds/data/digest/d09/tables/dit09_044.asp. Accessed 2017.
3. USDHHS, Families of Care. Research brief #2: Trends in Family Child Care Home Licensing Regulations and Policies for 2014, 2015; <http://www.naralicensing.org/2014-cc-licensing-study>. Accessed June 2016.
4. American Academy of Pediatrics, American Public Health Association, National Resource Center for Health and Safety in Child Care and Early Education: Caring for our children: National health and safety performance standards, Guidelines for early care and education programs (3rd ed). Elk Grove Village, IL: American Academy of Pediatrics, 2011.



Family Child Care Home (FCCH)
= childcare inside the provider's own home

Who participated?

- 49 female FCCH providers
- Oklahoma City metro area/within an hour of
- 31% with early childhood development degree
- Supervised about 10 children
- 75% owned building used for FCCH
- 37% felt being "eco-healthy" or "green" could help their business

Participants said that...

they and/or family member had asthma

51%

had a child with asthma in their care

37%

didn't know if children in FCCH had asthma

35%

What areas of improvement did we observe?

used pesticides inside in the past 3 months

33%

sprayed pesticides inside

42%

used pesticides outside in the past 3 months

53%



How many providers carry out recommended practices?

- 41% use wet rags and microfiber cloths to dust
- 48% open windows when cleaning
- 24% always/usually check for the "approved product" seal when buying art supplies
- 15% usually use 3rd party certified cleaning product
- 59% vacuums floors daily

