

**HEALTHY HOMES EXPERT PANEL MEETING**  
**PEER REVIEW OF INTERVENTION STUDIES**

**RANKED LITERATURE**

**PANEL 4 –November 19, 2007**

**Structural Deficiencies**

**A. Burn prevention (e.g., shield hot surfaces, reduce hot water temperature, etc.)**

1. Ytterstad, B., Smith, G. S., Coggan, C. A., Ytterstad, B., Smith, G. S., & Coggan, C. A. (1998). Harstad injury prevention study: prevention of burns in young children by community based intervention. *Injury Prevention*, 4(3), 176-180.

**Primary: DiGuseppi**

**Secondary: Luber**

2. Macarthur, C., & Macarthur, C. (2003). Evaluation of Safe Kids Week 2001: prevention of scald and burn injuries in young children. *Injury Prevention*, 9(2), 112-116.

**Primary: Mickalide**

**Secondary: Ormandy**

3. DiGuseppi, C., Roberts, I., Wade, A., Sculpher, M., Edwards, P., Godward, C., et al. (2002). Incidence of fires and related injuries after giving out free smoke alarms: cluster randomised controlled trial.[see comment]. *BMJ*, 325(7371), 995.

**Primary: Phelan**

**Secondary: DiGuseppi**

**B. Fall prevention (e.g., repair of floor and stair surfaces, install/repair railings, ladder safety, install non-slip rugs, etc.)**

**Injury – falls**

1. Stevens, M., Holman, C. D., Bennett, N., de Klerk, N., Stevens, M., Holman, C. D., et al. (2001). Preventing falls in older people:

outcome evaluation of a randomized controlled trial. *Journal of the American Geriatrics Society*, 49(11), 1448-1455.

**Primary: Luber**

**Secondary: Mickalide**

2. Stevens, M., Holman, C. D., Bennett, N., Stevens, M., Holman, C. D., & Bennett, N. (2001). Preventing falls in older people: impact of an intervention to reduce environmental hazards in the home. *Journal of the American Geriatrics Society*, 49(11), 1442-1447.

**Primary: Ormandy**

**Secondary: Phelan**

### **C. Noise reduction (e.g., insulation, control and eliminate sources)**

### **D. Fire prevention (e.g., use and maintenance of smoke, heat and carbon monoxide detectors/alarms, use of fire resistant materials)**

1. Shults, R. A., Sacks, J. J., Briske, L. A., Dickey, P. H., Kinde, M. R., Mallonee, S., et al. (1998). Evaluation of three smoke detector promotion programs. *American Journal of Preventive Medicine*, 15(3), 165-171.

**Primary: DiGuseppi**

**Secondary: Mickalide**

2. Mallonee, S., Istre, G. R., Rosenberg, M., Reddish-Douglas, M., Jordan, F., Silverstein, P., et al. (1996). Surveillance and prevention of residential-fire injuries. *New England Journal of Medicine*, 335(1), 27-31.

**Primary: Luber**

**Secondary: Ormandy**

## **Injury – fire**

### **Review Article. Not to be evaluated.**

1. Public/Private Fire Safety Council. Home Smoke Alarms and Other Fire Detection and Alarm Equipment <http://www.firesafety.gov/downloads/pdf/white-paper-alarms.pdf>

## **E. Injury prevention in hazardous areas (e.g., drowning prevention education, retrofit bathtubs and showers to prevent falls, etc.)**

## **Injury – General home injury**

### **Review Article. Not to be evaluated.**

1. Lyons, R. A., A. John, et al. Modification of the home environment for the reduction of injuries (Review article – 18 studies included)  
[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=17054179](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=17054179)

## **Injury –Children**

1. Nishioka K, Saito A, Akiyama K, Yasueda H. Effect of home environment control on children with atopic or non-atopic asthma. <http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17075250>

**Primary: Phelan**

**Secondary: DiGuseppi**

2. Babul, S., Olsen, L., Janssen, P., McIntee, P., Raina, P., Babul, S., et al. (2007). A randomized trial to assess the effectiveness of an infant home safety programme. *International Journal of Injury Control & Safety Promotion*, 14(2), 109-117.

**Primary: Mickalide**

**Secondary: Phelan**

3. Watson, M., Kendrick, D., Coupland, C., Woods, A., Futers, D., Robinson, J., et al. (2005). Providing child safety equipment to prevent injuries: randomised controlled trial. *BMJ*, 330(7484), 178.

**Primary: Ormandy**

**Secondary: Luber**

4. Posner, J. C., Hawkins, L. A., Garcia-Espana, F., Durbin, D. R., Posner, J. C., Hawkins, L. A., et al. (2004). A randomized, clinical

trial of a home safety intervention based in an emergency department setting. *Pediatrics*, 113(6), 1603-1608.

**Primary: Phelan**

**Secondary: Mickalide**

**Review Article. Not to be evaluated.**

5. Towner, E., T. Dowswell, et al. Updating the evidence. A systematic review of what works in preventing childhood unintentional injuries: part 1 (Review article – 37 articles)  
[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=11428566](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=11428566)
6. Towner, E., T. Dowswell, et al. Updating the evidence. A systemic review of what works in preventing childhood unintentional injuries: Part 2 (Review article – 28 articles)  
[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=11565995](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=11565995)
7. MacKay, M., J. Vincenten, et al. Child Safety Good Practice Guide: Good investments in unintentional child injury prevention and safety promotion [www.actiononinjuries.org/csi/eurosafe2006.nsf/0/5C013FEF526F9157C12571AF002F0561/\\$file/GoodPracticeGuide-Draft7.pdf](http://www.actiononinjuries.org/csi/eurosafe2006.nsf/0/5C013FEF526F9157C12571AF002F0561/$file/GoodPracticeGuide-Draft7.pdf) (was not able to get this version to work Accessed 10/6/07  
[http://www.eurosafe.eu.com/csi/eurosafe2006.nsf/0/5C013FEF526F9157C12571AF002F0561/\\$file/GoodPracticeGuide-Draft7.pdf](http://www.eurosafe.eu.com/csi/eurosafe2006.nsf/0/5C013FEF526F9157C12571AF002F0561/$file/GoodPracticeGuide-Draft7.pdf)

**Injury - Elderly**

1. Lin MR, Wolf SL, Hwang HF, Gong SY, Chen CY. A randomized, controlled trial of fall prevention programs and quality of life in older fallers.  
[http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=Retrieve&db=pubmed&dopt=Abstract&list\\_uids=17397426](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=17397426)  
**Primary: DiGuseppi**  
**Secondary: Luber**
2. Close, J., Ellis, M., Hooper, R., Glucksman, E., Jackson, S., Swift, C., et al. (1999). Prevention of falls in the elderly trial (PROFET): a randomised controlled trial.[see comment]. *Lancet*, 353(9147), 93-97.  
**Primary: Mickalide**  
**Secondary: Ormandy**
3. Nikolaus, T., Bach, M., Nikolaus, T., & Bach, M. (2003). Preventing falls in community-dwelling frail older people using a home intervention team (HIT): results from the randomized Falls-HIT trial. *Journal of the American Geriatrics Society*, 51(3), 300-305.  
**Primary: Phelan**  
**Secondary: DiGuseppi**

4. Stevens, M., Holman, C. D., Bennett, N., de Klerk, N., Stevens, M., Holman, C. D., et al. (2001). Preventing falls in older people: outcome evaluation of a randomized controlled trial. *Journal of the American Geriatrics Society*, 49(11), 1448-1455.

**Primary: Luber**

**Secondary: Mickalide**

5. Stevens, M., Holman, C. D., Bennett, N., Stevens, M., Holman, C. D., & Bennett, N. (2001). Preventing falls in older people: impact of an intervention to reduce environmental hazards in the home. *Journal of the American Geriatrics Society*, 49(11), 1442-1447.

**Primary: Ormandy**

**Secondary: Phelan**

#### **Review Articles. Not to be evaluated.**

6. Lord, S. R., H. B. Menz, et al. Home environment risk factors for falls in older people and the efficacy of home modifications  
[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=16926207](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=16926207) (Review article)
7. Rubenstein LZ, Josephson KR. Falls and their prevention in elderly people: what does the evidence show? (Review article)  
[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list\\_uids=16962843](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=16962843)
8. Rubenstein LZ. Falls in older people: epidemiology, risk factors and strategies for prevention. (Review article)  
<http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=16926202>

#### **Injury - Swimming pools**

1. Morgenstern, H., Bingham, T., Reza, A., Morgenstern, H., Bingham, T., & Reza, A. (2000). Effects of pool-fencing ordinances and other factors on childhood drowning in Los Angeles County, 1990-1995.[see comment]. *American Journal of Public Health*, 90(4), 595-601.

**Primary: DiGuseppi**

**Secondary: Luber**

**Review Article. Not to be evaluated.**

2. Thompson, D. Pool fencing for preventing drowning in children. (Review article, 3 articles)  
[http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=10796742&ordinalpos=14&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed\\_ResultsPanel.Pubmed\\_RVDocSum](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=10796742&ordinalpos=14&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)

**F. Temperature control (e.g., prevention of exposure to excessive heat and cold)**

1. Naughton, M. P., Henderson, A., Mirabelli, M. C., Kaiser, R., Wilhelm, J. L., Kieszak, S. M., et al. (2002). Heat-related mortality during a 1999 heat wave in Chicago.[see comment]. *American Journal of Preventive Medicine*, 22(4), 221-227.

**Primary: Mickalide**

**Secondary: Ormandy**