

Fear of Crime an

Lawton & Yaffe, 1980; Lebowitz, 1975; Yin, 1980). In fact, the existing research was pointing to a number of variables other than age that appeared to be more strongly associated with the fear of crime such as victimization rates, housing, gender, and income (Akers, LaGreca, Sellers & Cochrane, 1987; Burt and Katz, 1985; Gomme, 1988; Janson & Ryder, 1983; Jeffords, 1983; Sacco & Glackman, 1987; Yin, 1985). These conflicting results led to a sense of increasing scepticism towards the early literature on fear of crime and aging. For example, in an analysis of the existing survey data up to the 1980's, Yin (1982) found that fear of crime was a less severe problem for the elderly than had been previously reported. In another study, Clarke and Lewis (1982) found that fear of crime did not increase with increasing age. By the late 1980's, Ferraro and LeGrange were suggesting that fear of crime in the elderly had been exaggerated in the gerontological, sociological, and criminological literature due to "conceptual cloudiness and operational obfuscation of the fear of crime concept" (Ferraro & LaGrange,

These contradictory findings have continued to generate a significant body of literature on the topic of fear of crime and older adults. This is perhaps not surprising. As Greenhalgh and colleagues have noted in their review of the outcomes of systematic literature reviews such as Hale's (1996), ambiguous and/or contradictory results in an area of research are typically resolved with claims of methodological flaws that can only be addressed with additional research (Greenhalgh, Macfarlane, Bate, & Kyriakidou, 2004; Greenhalgh & Peacock, 2005; Greenhalgh, Macfarlane, Bate, Kyriakidou & Peacock, 2005). Certainly, the majority of the articles published since early 2000 on the topic of fear of crime and older adults have been

from this large body of international research utilizing the meta-narrative perspective

empirical papers addressing key theoretical aspects of the fear of crime literature were also included when judged to be relevant.

While the perspectives and approaches have differed by discipline and sometimes within a discipline, the research issues and questions have remained remarkably consistent and include the following: 1) the need to understand how measurement decisions impact the understanding of the construct of fear of crime; 2) identifying the nature, frequency, and intensity of fear of crime experienced by older adults; 3) determining if fear of crime is a significant social problem for older adults, with characteristics unique to the aging process and, 4) exploring the impact of fear of crime on the quality of life experienced by older adults. However, while the same “problem” has been analyzed, contradictory results have been frequent and according to Greenhalgh and colleagues, the “meaning” of these contradictory results can be better understood when approached from a metanarrative perspective. This review of the literature will follow the steps of the meta-narrative process as outlined earlier, in order to explore the particular historical, ideological, political, and social context of the key narratives used to explore these four research questions. In addition, the specific research parameters and questions, and seminal conceptual and empirical papers will be presented, along with an analysis of each narrative’s relationship to earlier research. The review will conclude with a review of the strengths and weaknesses of each narrative and an

design, validity or credibility of research method, sample size and power if quantitative, nature and strength or relevance of findings, and validity or significance of conclusions and recommendations for future research.

#### Data Extraction Table for Empirical Studies

Reference	Research Question	Conceptualization of Fear of Crime	Study Design	Sample Size and Power	Research Results	Limitations	Significance of Results	Future Research Recommendations
-----------	-------------------	------------------------------------	--------------	-----------------------	------------------	-------------	-------------------------	---------------------------------



Acierno, R., Rheingold, A., Resnick, H., & Kilpatrick, D. (2004). Predictors of fear of crime in



- Beaulieu, M., Dube, M., Bergeron, C., & Cousineau, M. (2007). Are elderly men worried about crime? *Journal of Aging Studies*, 21, 336-346.
- Becker, G. (2003). Meanings of place and displacement in three groups of older immigrants. *Journal of Aging Studies*, 17, 129-149.
- Belyea, M. & Zingraff, M. (1988). Fear of crime and residential location. *Rural Sociology*, 53(4), 473-86.
- Bennett, R. & Flavin, J. (1994). Determinants of fear of crime: The effect of cultural setting. *Justice Quarterly*, 11 (3), 357-381.
- Blythe, M., Wright, P., & Monk, A. (2004). Little brother: Could and should wearable computing technologies be applied to reducing older people's fear of crime? *Personal Ubiquitous Computing*, 8, 402-415
- Body- Gendrot, S. (2001). The politics of urban crime. *Urban Studies*, 38(5-6), 915-928.
- Borooah, V., & Carcach, C. (1997). *British Journal of Criminology*, 37(4), 635-657.
- Bowling, A., & Stafford, M. (2007). How do objective and subjective assessments of neighbourhood influence social and physical functioning in older age? Findings from a British survey of ageing. *Social Science & Medicine*, 64, 2533-2549.
- Box, S., Hale, C., Andrews, G. (1988). Explaining fear of crime. *British Journal of Criminology*, 28 (3), 340-56.
- Bourke, V. (2005). *Fear: A cultural history*. Great Britain: Virago Press.
- Braungart, M., Hoyer, W. & Braungart, R. (1979). Fear of crime and the elderly. In A. Goldstein, W. Hoyer & P. Monti (Eds.), *Police and the elder* 0.2 (i) 50 0 0 50 0 0 Tm /F1.0 1 Tf(( b(r 2 (e) 0.2 (r

- Britto, S. (2011). Diffuse anxiety: the role of economic insecurity in predicting fear of crime. *Journal of Crime and Justice, iFirst Article*, 1-21.
- Bromley, R., & Stacey, R. (2012). Feeling unsafe in urban areas: Exploring older children's geographies of fear. *Environment and Planning A, 44*, 428-444.
- Brooks, J. (1974). The fear of crime in the United States. *Crime & Delinquency, 20*, 241-244.
- Browning, C., Cagney, K., & Iveniuk, J. (2012). Neighbourhood stressors and cardiovascular health: Crime and c-reactive protein in Dallas, USA. *Social Science & Medicine, 75*,



Cook, F. & Skogan, W. (1990). Agenda setting and the rise and fall of policy issues: The case of criminal victimisation of the elderly. *Environment and Planning C: Government and Policy*, 8, 395-415.

Cossman, J., & Rader, N. (2011). Fear of crime and personal vulnerability: Examining self-reported health. *Sociological Spectrum*, 31(2), 141-162.

Cozens, P., Hillier, D. and Prescott, (nda) 0.20kogan, W. (199F1.0 1 T4 332.7217 639.66cm BT 50 0 0 50 0 0

Derksen, S. (2012). *Gender, social desirability, and fear of crime: Are women really more afraid?* (Unpublished doctoral dissertation). University of Manitoba: Manitoba,

Ditton, J., Farrall, S., Bannister, J. & Gilchrist, E. (1998). Measuring fear of crime, *Criminal Justice Matters*, 31, 10-12.

Ditton, J., Bannister, J., Gilchrist, E. & Farrall, S. (1999). Afraid or angry? Recalibrating the 'fear' of crime, *International Review of Victimology*, 6, 83-99.

Ditton, J., Chadee, D., & Khan, F. (2003). The stability of global and specific measures of the

- Eve, S. (1985). Criminal victimisation and fear of crime among the non-institutionalised elderly in the United States: A critique of the empirical research literature. *Victimology*, 10 (1-4), 397-408.
- Farrall, S., Bannister, J., Ditton, J. & Gilchrist, E. (1997) "Open and closed questions" *Social Research Update*, 17. Retrieved January 14, 2013 from <http://sru.soc.surrey.ac.uk/SRU17.html>
- Farrall, S., Bannister, J., Ditton, J. & Gilchrist, E. (1997). Questioning the measurement of the 'fear of crime': Findings from a major methodological study. *British Journal of Criminology*, 37, 658-679.
- Farrall, S., Bannister, J., Ditton, J., & Gilchrist, E. (2000). Social psychology and the fear of crime: Re-examining a speculative model. *British Journal of Criminology*, 40, 399-413.
- Farrall, S. & Gadd, D. (2004) "The frequency of the fear of crime", British Journal of Criminology, 44 (1): 127-132.
- Farrall, S., Gray, E., & Jackson, J. (2007). Theorising the fear of crime: The cultural and social significance of insecurities about crime. *Experience and Expression in the Fear of Crime, Working Paper No. 5, ESRC Grant RES 000 23 1108*, 1-36. .
- Fattah, E. & Sacco, V. (Eds.). (1989). *Crime and victimisation of the elderly*. New York, NY: Springer-Verlag.
- Fear of Crime in Canada. Taking the Pulse of a Nation.* 1.0 1 Tf (-) Tj ET Q Tm .2 (gni)qut

- Figgie, H. (1980). The Figgie report on fear of crime: America afraid. Ohio: Willoughby.
- Finley, G. (1983). Fear of crime in the elderly. In J. Kosberg (Ed.), *Abuse and mistreatment of the elderly: Causes and interventions.* Littleton Mass: John Wright,
- Fischer, C. (1981). The public and private worlds of city life. *American Sociological Review*, 46(3), 306-316.
- Fishman, M. (1978). Crime waves as ideology. *Social Problems*, 25(5), 531-543
- Fishman, G. & Mesch, G. (1996). Fear of crime in Israel: A multidimensional approach. *Social Science Quarterly*, 77(1), 76-89.
- Fitzgerald, R. (2008). Fear of crime and the neighbourhood context in Canadian cities. *Canadian Centre for Justice Statistics, Statistics Canada, Ottawa.*
- Fobker, S., & Grotz, R. (2006). Everyday mobility of elderly people in different urban settings: The example of the city of Bonn, Germany. *Urban Studies*, 43(1), 99-118.
- Forde, D. (1993). Perceived crime, fear of crime, and walking alone at night. *Psychological Reports*, 75, 403-7.
- Foster, S., Giles-Corti, B., & Knuiiman, M. (2010). Neighbourhood design and fear of crime: A social-ecological examination of the correlates of residents fear in new suburban housing developments. *Health & Place*, 16, 1156-1165.
- Franklin, C., & Franklin, T. (2008). Predicting fear of crime: considering differences across gender. *Feminist Criminology*, 4(1), 83-106.
- Freedman, V., Grafova, I., Schoeni, R., & Rogowski, J. (2008). Neighbourhoods and disability in later life. *Social Science & Medicine*, 66, 2253-2267.

- Gaquin, D. (1978). Measuring fear of crime: The national crime survey's attitude data. *Victimology: An International Journal*, 3(3-4), 314-347.
- Garofalo, J., & Laub, J. (1978). The fear of crime; broadening our perspective. *Victimology: an International Journal*, 3(3-4), 242-253.
- Giles-Sims, J. (1984). A Multivariate analysis of perceived likelihood of victimisation and degree of worry about crime among older people. *Victimology*, 9 (2), 222-233.
- Ginsberg, Y. (1984-85). Fear of crime among elderly Jews in Boston and London. *International Journal of Aging and Human Development*, 20 (4), 257-67.
- Global age-friendly cities: A guide.*(2007. Who Library Cataloguing-in-Publication Data, ISBN: 9789241547307. Retrieved November 28, 2012 from <http://www.who.int/ageing/publicati>





- Hennen, J., & Knudten, R. (2001). A lifestyle analysis of the elderly: Perceptions of risk, fear, and vulnerability. *Illness, Crisis, & Loss*, 9(2), 190-208.
- Henig, J., & Maxfield, M. (1978). Reducing fear of crime: Strategies for intervention. *Victimology: An International Journal*, 3(3-4), 297-313.
- Henson, B. (2011). fear of crime online: Examining the effects of online victimization and perceived risk on fear of cyberstalking victimization. Unpublished Ph.D. Dissertation, University of Cincinnati.
- Hipp, J. Resident perceptions of crime and disorder: How much is “bias” and how much is social environment differences? *Criminology*, 48(2), 475-508.
- Hirtenlehner, H. (2008). Vulnerability – mediating the perceived risk – fear of victimization – linkage: Testing a transactional theory of fear of crime using data from Austria. In H. Kury (Ed.). *Fear of Crime –punitivity: New developments in theory and research*. 107-125). Bochum: Universitätsverlag Brockmeyer.
- Hirtenlehner, H. (2008). Disorder, social anxieties and fear of crime. In H. Kury (Ed.). *Fear of Crime –punitivity: New developments in theory and research*. (127-158). Bochum: Universitätsverlag Brockmeyer.
- Hirtenlehner, H., & Farrall, S. (2013). Anxieties about modernization, concerns about community and fear of crime: Testing two related models. *International Criminal Justice Review*, 1-20. doi: 10: 1177/1057567712475307
- Hollander, J. (2004). Fear itself. *Social Research*, 71(4), 865-886.
- Hopkins, P., & Pain, R. (2007). Geographies of age: Thinking relationally. *Area*, 39(3), 287-294).
- Hough, M. (1985) "The impact of victimisation: Findings from the BCS" *Victimology*, 20 (1-4), 488-497.
- Hough, M. (2004) "Worry about crime: Mental events or mental states" *International Journal of Social Research Methodology*, 7 (2), 173-176.
- Huddy, L. Fear and how it works: Science and the social sciences. *Social Research*, 71(4), 801-805.
- Hughes, J., Rohloff, A., David, M., & Petley, J. (2011). Foreword: Moral panics in the contemporary world. *Crime Media Culture*, 7, 211-214.

- Hummelsheim, D, Hirtenlehner, H, Jackson, J and Oberwittler, D. (2011). Social insecurities and fear of crime: a cross-national study on the impact of welfare state policies on crime-related anxieties. *European Sociological Review*, Vol. 27, No. 3, 327-345.
- Ioannidis J. (2005). Contradicted and initially stronger effects in highly cited clinical research. *JAMA*, 294(2),218-28.
- Jackson, J. (2005). Validating new measures of the fear of crime. *International Journal of Social Research Methodology*, 8(4), 297-315.
- Jackson, J. (2006). Introducing fear of crime to risk research. *Risk Analysis*, Vol. 26, No. 1, 253-264.
- Jackson, J. (2009). A psychological perspective on vulnerability in the fear of crime. *Psychology, Crime and Law*, 15(4), 1-25.
- Jackson, J., Gray, E., & Farrall, S. (2009). Untangling the fear of crime. *Criminal Justice Matters*, 75(1), 12-13.
- Jackson, J., & Stafford, M. (2009). Public health and fear of crime: A prospective cohort study. *British Journal of Criminology*, 49, 832-847.
- Jackson, J., & Gray, E. (2010). Functional fear and public insecurities about crime. *British Journal of Criminology*, 50, 1-22.
- Jackson, J. (2011). Revisiting risk sensitivity in the fear of crime. *Journal of Research in Crime and Delinquency*, 48, 513.
- Janson, P. & Ryder, L. (1983) .Crime and the elderly: The relationship between risk and fear. *The Gerontologist*, 23 (2), 207-212.
- Jaycox, V. (1978).The elderly's fear of crime: Rational or irrational? *Victimology*, 3 50 0 0 Tm /F1.0 1 Tf (264).

- Kahana, E., Liang, J., Felton, B., Fairchild, T. & Harel, Z. (1977). Perspectives of aged on victimisation, 'ageism', and their problems in urban society. *The Gerontologist*, 17 (2), 121-129.
- Kateb, G. (2004). A life of fear. *Social Research*, 71(4), 887-926.
- Keane, C. (1992) "Fear of crime in Canada: An examination of concrete and formless fear of victimisation." *Canadian Journal of Criminology*, 34 (2), 215-224.
- Keane, C. (1998). Evaluating the influence of fear of crime as an environmental mobility restrictor on women's routine activities. *Environment and Behaviour*, 30 (1), 60-74.
- Kennedy, L., & Krahn, H. (1984). Rural-urban origin and fear of crime: The case for "rural baggage." *Rural Sociology*, 49(2), 247-260.
- Kennedy, L. & Silverman, R. (1984-85). Significant others and fear of crime among the elderly.

Kury, H., Obergfell-Fuchs, J., & Ferdinand, T. (2000). Aging and the fear of crime: Recent results from east and west Germany. *International Review of Victimology*, 8(1), 75-112.

Kury, H., & Obergfell-Fuchs, J. (2008). Measuring the fear of crime: How valid are the results? In H. Kury (Ed.). *Fear of Crime – punitivity: New developments in theory and research*. (53-83). Bochum: Universitätsverlag Brockmeyer.

LaGrange, R. & Ferraro, K. (1987). The elderly's fear of crime: A critical examination of the research. *Research on Aging*, 9 (3), 372-391.

LaGrange, R. & Ferraro, K. (1989). Assessing age and gender differences in perceived risk and fear of crime. *Criminology*, 27(4), 631-650.

- Lee, G. (1983). Social integration and fear of crime among older persons. *Journal of Gerontology*, 38 (6), 745-750.
- Lee, M. (2001) "The genesis of 'fear of crime'", *Theoretical Criminology*, 5 (4), 467-485.
- Lee, M. (2007). *Inventing fear of crime: Criminology and the politics of anxiety*. Willan Publishing. Oregon:
- Lee, M., & Farrall, S. (Eds.). (2009). *Fear of crime: Critical voices in an age of anxiety*. New York, NY: Routledge-Cavendish.
- Lee, H., Lee, A., Clinton, M., Zhang, G. and Fraser, M. (2008). Protecting older people from burglary: prevalence of security devices in the homes of older adults in Perth, Western Australia. *Journal of Housing for the elderly*, 22, 4, 335-247.
- Lewicki, M. (2011). Place attachment: How are we come in the last 40 years? *Journal of Environmental Psychology*, 31, 207-230.
- Lewis, D., & Salem, G. (1986). *Fear of crime: Incivility and the production of a social problem*. Oxford: Transaction Books.
- Leyden, K. (2003). Social capital and the built environment: The importance of walkable neighbourhoods. *Am J Public Health*, 93(9), 1546-1551.
- Liang, J. & Sengstock, M. (1981). The risk of personal victimisation among the aged. *Journal of Gerontology*, 36 (4), 463-471.
- Lindesay, J. (1991). Fear of crime in the elderly. *International Journal of Geriatric Psychiatry*, 6, 55-56.
- Lindesay, J. (1997). Phobic disorders and fear of crime in the elderly. *Aging & Mental Health*, 1(1), 81-85.
- Lindquist, J. & Duke, J. (1982). The elderly victim at risk: Explaining the fear-victimisation paradox. *Criminology*, 20 (1), 115-126.
- Loukaitou-Sideris, A. (2006). Is it safe to walk? Neighbourhood safety and security considerations and their effects on walking. *Journal of Planning Literature*, 20, 219-232.
- Mallea, P. (2010). *The fear factor: Stephen Harper's "Tough on Crime" Agenda*. Canadian Centre for Policy Alternatives, 1-51. Retrieved November 15, 2012 from <http://www.policyalternatives.ca/sites/default/files/uploads/publications/National%20Office/2010/11/Tough%20on%20Crime.pdf>
- Marczak, M. (2008). Victimization and the fear of crime in Vancouver. *Unpublished Master's Thesis*. Simon Fraser University. British Columbia, Canada

- Markowitz, F., Bellair, P., Liska, A., & Liu, J. (2001). Extending social disorganization theory: Modelling the relationships between cohesion, disorder, and fear. *Criminology*, 39(2), 293-319.
- Mawby, R. (1982). Crime and the elderly: A review of British and American research. *Current Psychological Reviews*, 2, 301-310.
- Mawby, R. (1986). Fear of crime and concern over the crime problem amongst the elderly. *Journal of Community Psychology*, 14, 300-6.
- Mawby, R. (2004). Reducing burglary and fear among older people: an evaluation of a help the aged and home-safe initiative in Plymouth. *Social Policy & Administration*, Vol. 38, (1), 1-20.
- Mawby, R. (2007). Alternative measures of fear of crime: Results from crime audits in a rural country of England. *International Review of Victimology*, 14, 299-320.
- Maxfield, M. (1984). The limits of vulnerability in explaining fear of crime: A comparative neighbourhood analysis. *Journal of Research in Crime and Delinquency*, 21, 233-250.
- May, D., Rader, N. and Goodrum, S. (2010). A gendered assessm.2 (e) 02 (e) 0.17 4w0.24nr 0.2 (d a) 0.2 (s) -





- National Victims of Crime Awareness Week. Government of Canada. (2004). *Seniors as victims of crime in Canada*. Retrieved December 1, 2011  
<http://www.victimsworld.gc.ca/res/r54.html>
- Nasar, J. & Fisher, B. (1992). Design for vulnerability: Cues and reactions to fear of crime. *Sociology and Social Research*, 76 (2), 48-58.
- National Institute of Justice. (1983). *Topical bibliography: Crime and the elderly*.
- Neikrug, S. (2003). Worrying about a frightening old age. *Aging & Mental health*, 7(5), 326-333.
- Newman, O. (1972). *Defensible Space*. New York, NY: MacMillan.
- Newman, O. (1975). *Design Guidelines for creating defensible space*. Washington: National Institute of Law Enforcement and Criminal Justice.
- Newman, O. & Franck, K. (1982). The Effects of building size on personal crime and fear of crime, *Population & Environment*, 5: 203-220.
- Normoyle, J. & Lavrakas, P. J. (1984) Fear of crime in elderly women: Perceptions of control, predictability and territoriality. *Personality and Social Psychology Bulletin*, 10 (2), 191-220.
- Normoyle, J. (1987). Fear of crime and satisfaction among elderly public housing residents: the impact of residential segregation. *Basic and Applied Social Psychology*, 8 (3), 193-207.
- Normoyle, J. & Foley, J. (1988) "The defensible space model of fear and elderly public housing residents", *Environment and Behaviour*, 20 (1), 50-74.
- Norton, L. & Courlander, M. (1982) .Fear of crime among the elderly: The role of crime prevention programs. *The Gerontologist*, 22 (4), 388-393.
- O'Bryant, S., Donnermeyer, J. & Stafford, K. (1991) "Fear of crime and perceived risk among older widowed women." *Journal of Community Psychology*, 19 (April), 166-177.
- Ogrodnik, L. (2004 and 2005). Seniors as victims of crime. Canadian Centre for Justice Statistics Profiles Series, Catalogue no. 85F0033MIE – No. 014, 1-21.
- Oh, Joong-Hwan. (2003). Assessing the social bonds of elderly neighbours: the roles of length of residence, crime victimization, and perceived disorder. *Sociological Inquiry*, Vol. 73 (4), 490-510).



- Painter, K. (1989b) *Crime prevention and public lighting with special focus on women and elderly people*, Middlesex Polytechnic, London.
- Paintazis, C. (2000). Fear of crime: vulnerability and poverty. Evidence from the British crime Survey. *British Journal of Criminology*, 40, 414-436.
- Palmore. E. (1982). Attitudes toward the aged: What we know and need to know. *Research on Aging*, 4(3), 333-348.
- Pantazis, C. (2000). Fear of crime, vulnerability and poverty. *British Journal of Criminology*, 40, 414-436.
- Paris, M., Beaulieu, M., Dube, M., Cousineau, M., & Lachance, M. (2011). Qualitative studies



- Roccatto, M., Russo, S. (2011). Perceived community disorder moderates the relation between victimization and fear of crime. *Journal of Community Psychology, 39*(7), 884-888.
- Rondeau, M. and Brantingham, P. (2003). *Designing environments which reduce crime*. Vancouver: The City Program, Simon Fraser University at Harbour Centre.
- Rowles, G. (1983). Place and personal identity in old age: observations from Appalachia. *Journal of Environmental Psychology, Vol. 3*, 299-313.
- Rush, K., Murphy, M., & Kozak, J. (2012). A photovoice study of older adults' conceptualizations of risk. *Journal of aging Studies, 26*, 448-458.

Schuermans, N., & Maesschalck, F. (2010). Fear of crime as a political weapon: explaining the rise of extreme right politics in the Flemish countryside. *Social & Cultural Geography*, *11*(3), 247-262.

Schwarz, B. (2003). M. Powell Lawton's Three Dilemmas in the field of environment and aging. *Journal of Housing for the Elderly*, *17*(1-2), 5

Skogan, W. (1993). The various meanings of fear. In W. Bilsky, C. Pfeiffer, & P. Wetzels, (Eds).  
*Fear of crime and criminal victimisation*

- Takagi, D., Ikeda, K., & Kawachi, I. (2012). Neighbourhood social capital and crime victimization: Comparison of spatial regression analysis and hierarchical regression analysis. *Social Science & Medicine*, *xxx*, 1-8.
- Taylor, J., Eitle, D., Russell, D. (2009). Racial/ethnic variation in the relationship between physical limitation and fear of crime: An examination of mediating and moderating factors. *Deviant Behavior*, *30*(2), 144-174.
- Toseland, R. (1982) "Fear of crime: Who is most vulnerable?" *Journal of Criminal Justice*, *10*, 199-209.
- Trickett, L. (2009). Don't look now – masculinities, altruistic fear and the spectre of self: When, why and how men fear for others. *Crimes and Misdemeanours*, *3*(1), 82-108.
- Tseloni, A., Zarafonitou, C. (2008). Fear of crime and victimization: A multivariate multilevel analysis of competing measurements. *European Journal of Criminology*, *5*(4), 387-409.
- Tudor, A. (2003). A (macro) sociology of fear? *The Sociologica*



- Wallace, D. (2012). Examining fear and stress as mediators between disorder perceptions and personal health, depression, and anxiety. *Social Science Research, 41*, 1515-1528.
- Ward, R., LaGory, M. and Sherman, S. (1986). Fear of crime among the elderly as person/environment interaction. *The Sociological Review, Vol. 27, No. 3*, 327-341.
- Warr, M. (1984). Fear of victimisation: Why are women and the elderly more afraid? *Social Science Quarterly, 65*, 681-702.
- Weaver, G., Marting, C., & Petee, Y. (2004). Culture, connect, and homicide of the elderly. *Sociological Inquiry, 74(1)*, 2-19.
- Weinrath, M., Kristin, C., & Forde, D. ( Trends in fear of crime in a western Canadian city: 1984, 1994, and 2004. *Canadian Journal of Criminology and Criminal Justice, 49*, 617-646.
- Weisman, G., & Moore, K. (2008). Vision and Values. *Journal of Housing for the Elderly, 17(1-2)*, 23-37.
- Welsh, B., & Farrington, D. (2008). Effects of improved street lighting on crime. *Campbell Systematic Reviews, 13*: DOI: 10.4073/csr.2008.13
- Welsh, B., Mudge, M., & Farrington, D. (2010). Reconceptualizing public area surveillance and crime prevention: Security guards, place managers, and defensible space. *Security Journal, 23(4)*, 299-319.
- Whitley, R., & Prince, M. (2005). Fear of crime, mobility, and mental health in inner-city London, UK. *Social Science & Medicine 61*, 1678-1688.
- Whitzman, C. (2007). Stuck at the front door: gender, fear of crime and the challenge of creating safer space. *Environment and Planning, A 39*, 2715-2732.
- Wikstrom, P. (2009). Questions of perception and reality. *The British Journal of Sociology, 60(1)*, 1-5.
- Williams, F., McShane, M., & Akers, R. (2000). Worry about victimization: An alternative and

