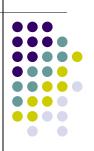
Understanding the Relationship between Loneliness and Health Outcomes in Older Adults

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Topics to be Covered



- How do you measure loneliness?
- Loneliness vs. social isolation
- Age & sex differences in loneliness
- Loneliness & depression
- Loneliness & physical health
- Future research on loneliness

Measuring Ioneliness



- "Direct" measures of loneliness
 - Example: "How often do you feel lonely?"
 - Issue: Stigma of loneliness
 - Will individuals be honest in their responses?
 - Social desirability concerns may undermine the validity of such measures
- "Indirect" measures of loneliness
 - Do not use the term "loneliness"

Development of the UCLA Loneliness Scale



- Has become the most widely used measure of loneliness
- Initial set of items were based on statements by lonely people describing the experience
- Revision of the scale in 1980 involved the addition of positive or "non-lonely" items
- Version 3 involved simplifying the wording of the items to facilitate giving the scale to noncollege educated samples

Sample Items from the UCLA Loneliness Scale



- How often do you feel that you are "in tune" with the people around you?
- How often do you feel that you lack companionship?
- How often do you feel alone?
- How often do you feel part of a group of friends?

Loneliness & Social Isolation



- Is loneliness the same as being alone?
- Individuals may feel lonely despite having a large number of friends or frequent social contact
- Other individuals may not feel lonely despite having few friends or infrequent social contact
- Theoretical model of loneliness argues that how your relationships with others compare with your expectations determine whether or not you feel lonely

Loneliness & Social Relationships Among Older Adults

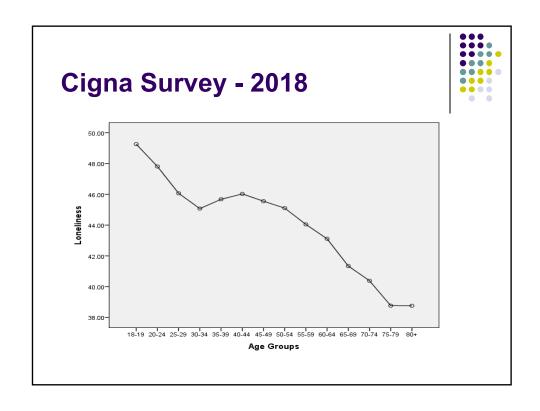


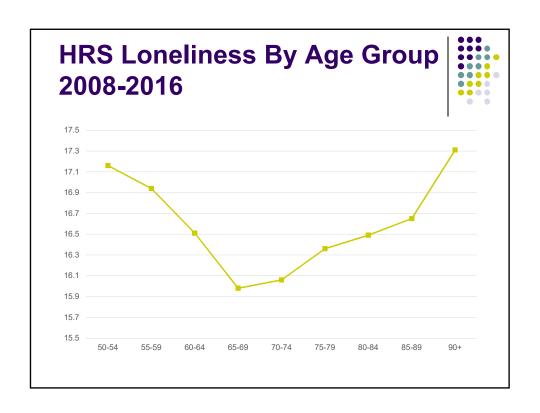
Relationship Measure	Loneliness
Social Support	74
Number of Relatives	17
Number of Friends	23
Frequency of Social Contact	16

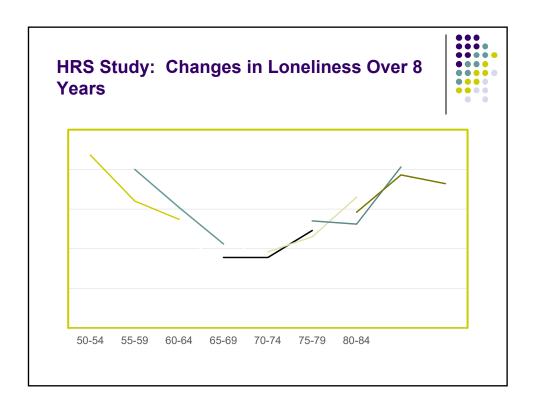
Age Differences in Loneliness

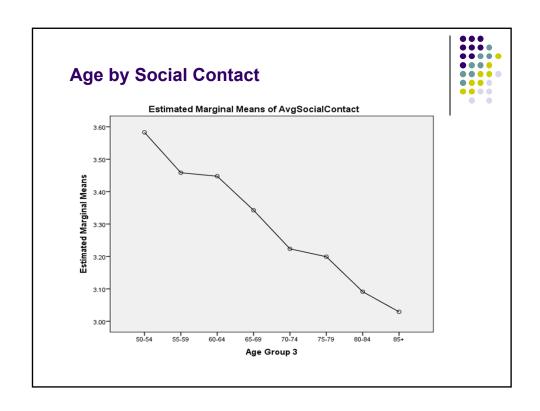


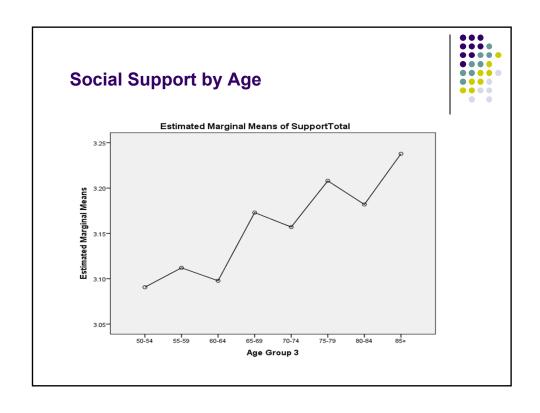
- It is commonly believed that older adults are the most lonely
- Increasing social isolation with age is believed to increase feelings of loneliness
 - Decreases in the size of the social network due to loss of your partner, family and friends
 - Less frequent contact with others due to physical limitations

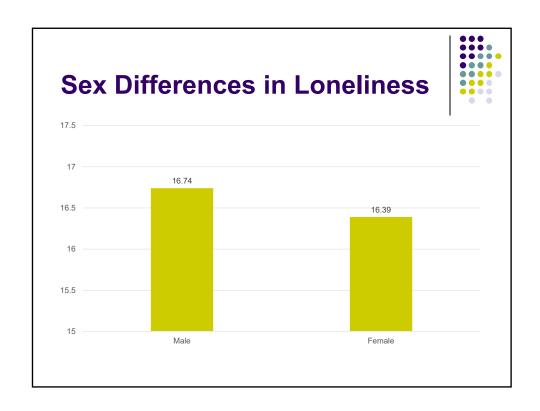


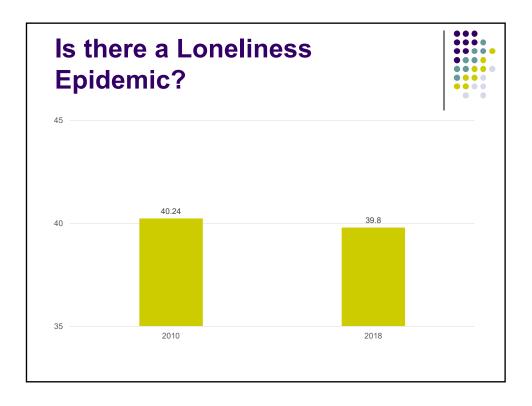












Loneliness & Depression

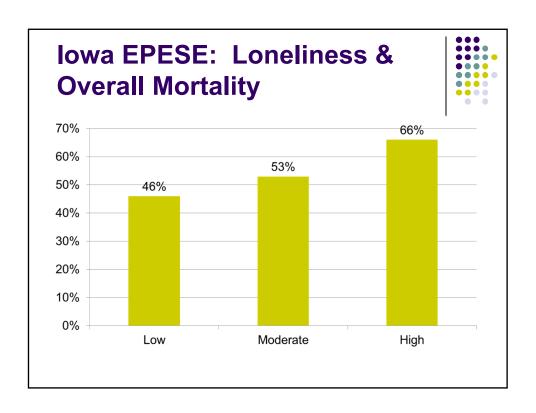


- Loneliness is considered to be a symptom of depression
 - CES-D: One item assesses the frequency of feeling lonely ("I felt lonely during the previous week")
- Measures of loneliness and depression typically correlate from .40 to .70
- Research indicates that there are reciprocal relationships between loneliness and depression
- Issue: Are relationships between loneliness and health due to depression?

Loneliness & Mortality



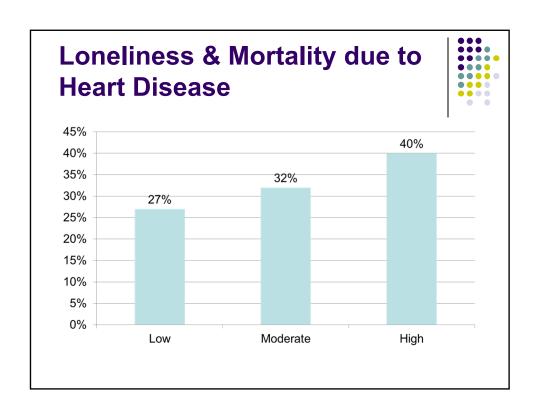
- A large number of studies in both the U.S. and other countries have examined the relationship between loneliness and other measures of social isolation with mortality
- A meta-analysis by Holt-Lunstad et al. (2015) found that loneliness was associated with a 26% increase in the likelihood of mortality
 - A number of studies have indicated that loneliness is related to mortality beyond the effects of social isolation
 - Results did not vary by gender, length of follow-up, or country
 - Effects appeared to be stronger for individuals under 65 years of age

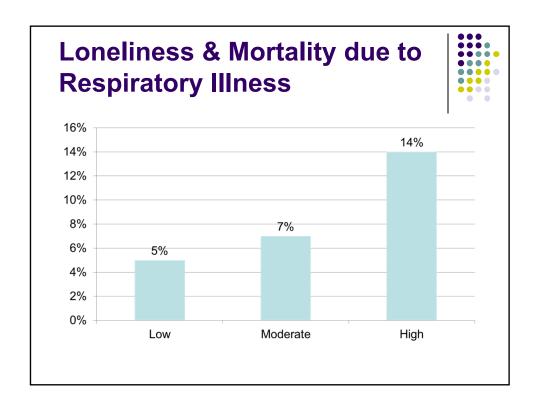


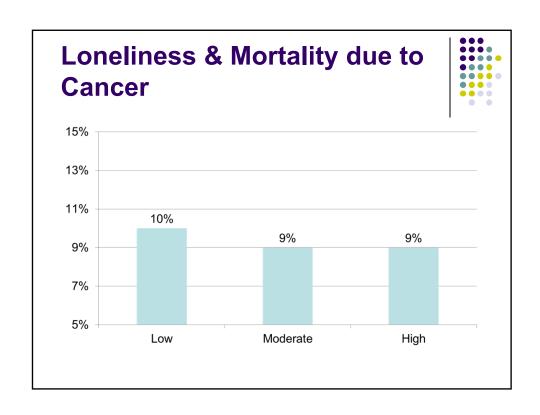
Loneliness & Coronary Heart Disease (CHD)



- Loneliness has been found to be related to blood pressure and other variables related to inflammation (e.g., CRP; poorer immune system functioning)
- Meta-analysis examined the relationship between loneliness and social isolation with CHD & stroke
- Results indicated poor social relationships were associated with a 29% increase in CHD & a 32% increase in risk of stroke
 - Results did not vary by sex







Future Research Issues



- Interventions for loneliness
 - Existing interventions do not appear to be very effective
 - Few studies have attempted to intervene with very lonely individuals
- Role of the Internet
 - Impact on quality of relationships
 - Interventions that make use of new technology

Developing a New Older Adult Loneliness Measure?



- UCLA Loneliness Scale was developed based on data from college students
 - Does the measure reflect the experience of loneliness among older adults?
- Is there a need for a "clinical" measure of loneliness?
 - What score reflects a high level of loneliness?
 - Should there be diagnostic criteria for loneliness?

