

| hat about the whole causal web — | | |
|----------------------------------|---------------|-----|
| * | social | yes |
| * | cultural | yes |
| * | physical | yes |
| * | economic | yes |
| * | demographic | yes |
| * | psychological | yes |

















| results – individual level analysis | | |
|--|--|--|
| L. Stevenson, OHSU | | |
| 1 year death certificates, medical records | | |
| divorced, disabled, ill | | |
| no association with SES or occupational level non-significant increase in mid-size towns | | |
| R. Pasewark, J Fleer, U of W | | |
| 16 years | | |
| death certificates | | |
| no time trends by age or density | | |
| divorced, widowed, ill | | |
| no association with SES, occupational level or | | |
| population changes of - 25% to + 115% | | |
| | | |

conclusions

errors -

conception, measurement, aggregation, analysis, interpretation

results of sensitivity analysis -

no urban-rural gradient in suicide at any scale or any age group

- ∴ cannot reject the null hypothesis
- : reject the study

lessons –

take GIS II

confirm biologic / social plausibility assess potential errors at each stage explore alternative explanations for results check validity before publishing

alternative explanations

combination and interaction of other factors

- <u>migration</u> recent and historic western trend, rural shift to slower pace, cheaper living, less crowding, "freedom"
- culture inter-mountain west more physically oriented, willing and able to take life when it is "not worth living"
- <u>genetics</u> Northern European ancestry e.g., Finnish-Ugrian; novelty seeking, alcohol intolerant, pragmatic



