SEXUAL AND REPRODUCTIVE HEALTH KNOWLEDGE: EMPOWERING WOMEN THROUGH SOCIAL DETERMINANTS OF HEALTH

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PURPOSE

- The COVID-19 pandemic dynamic of sheltering-in-place affords possible opportunities to address social determinants of health (SDOH), as they relate to sexual and reproductive health knowledge (S&RHK).
- Strategic and crucial opportunities might exist for educational interventions by caregivers engaging in more frequent and prolonged encounters with young people.
- The purpose of this study was to evaluate whether two social determinants of health, income and education, are associated with sexual and reproductive health knowledge among adult women.



METHODS

- A 50-item survey was administered to women, aged 20-89 years, in two outpatient, metropolitan, primary care clinics in the United States.
- 18 of the 50 questions gauged S&RHK, and had only one correct answer. The maximal attainable score was 18.
- Data was coded and analyzed using IBM-SPSS. Statistical analysis included: Pearson correlation, *t*, and Chi-squared tests. Statistical significance was established at p <0.05.



RESULTS:

- 287 women, with a mean (± SD) age of 55.3 ± 14.2 years, were surveyed.
- The majority (85.7%) were African-American, with 66 % having incomes ≤ \$50,000.
- The group had a mean (± SD) 14.1 ± 2.5 years of formal education, and an S&RHK score of 10.2 ± 3.6, on a scale of 0-18. Of those with formal sex education, 43.5% stated it was sufficient.
- 32% reported no history of formal sex education. 97% reported that having sufficient S&RHK was important. Positive correlations were found between years of education, income, and S&RHK scores (p<0.001); a negative correlation between age and S&RHK scores (p<0.001).

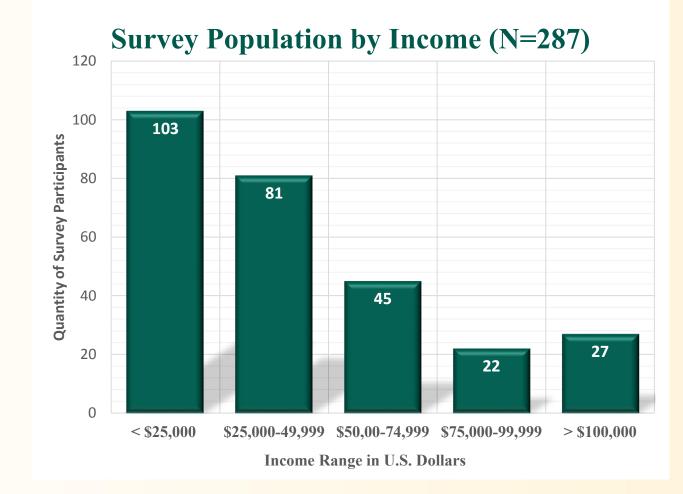


DESCRIPTIVE STATISTICS

	Mean	Std. Deviation
SRHK Total Score	10.40	3.448
Age	55.34	14.807
Years of Ed	14.19	2.474
Income	2.24	1.293



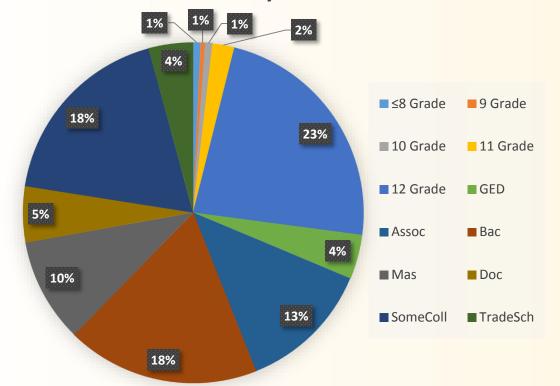
Results



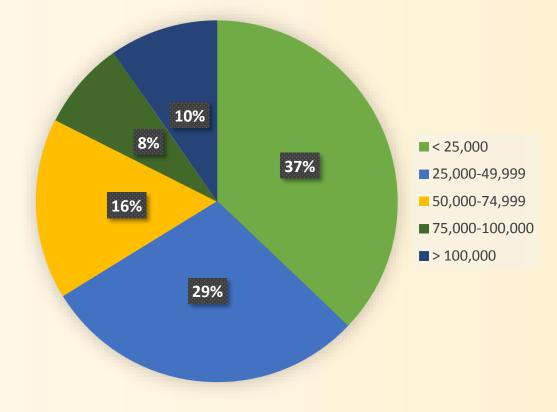




Patient Characteristics by Level of Education



Patient Characteristics by Income





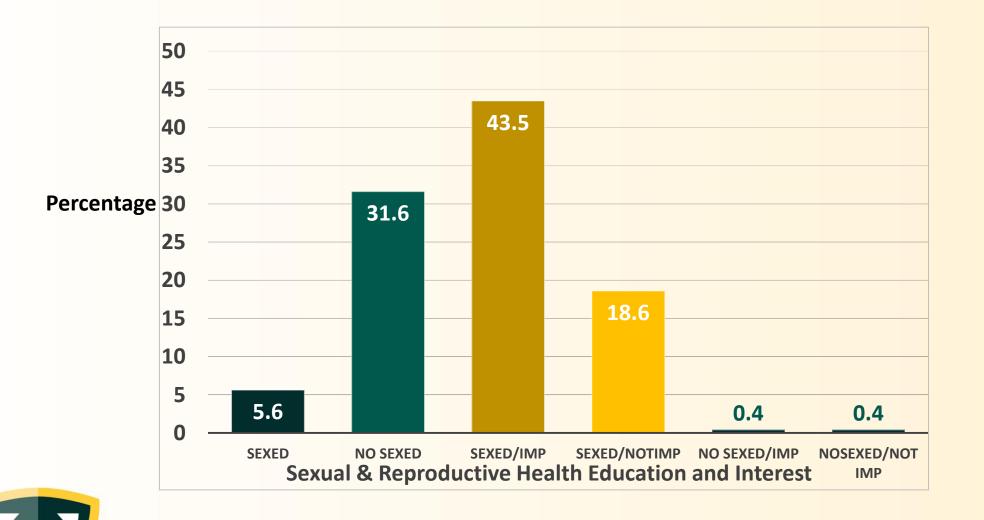


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SHK Score by Total Years of Education $(P=0.001)$		18 16				
Reported Years of Education	Mean SHK Score	Ν	Standard Deviation	e 14 e 12 e 12 e 10		11.17
Less than or equal to 12 years	8.71	89	3.39	10 Average SHK 9 9 4	8.71	11.1/
Greater than 12 years	11.17	195	3.46	2 0		
				_	≤ 12 Years Reported Years of	≥ 12 Years Schooling





PRIOR S&RH EDUCATION AND SELF-EVALUATION OF IMPORTANCE



PERCENTAGE OF S&RHK SCORE



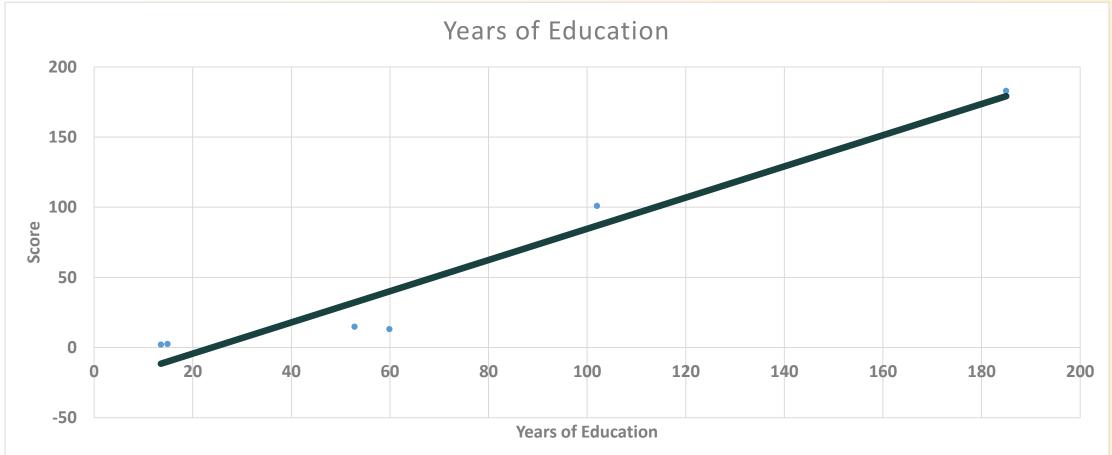
WOMEN IN THE STUDY BY AGE

Years of Ed	Pearson Correlation	<mark>.386</mark> **
	Sig. (2-tailed)	0
	N	284
Income	Pearson Correlation	<mark>.256</mark> **
	Sig. (2-tailed)	0
	Ν	278
Age	Pearson Correlation	193**
	Sig. (2-tailed)	0.001
	N	287

**. Correlation is significant at the 0.01 level (2-tailed).



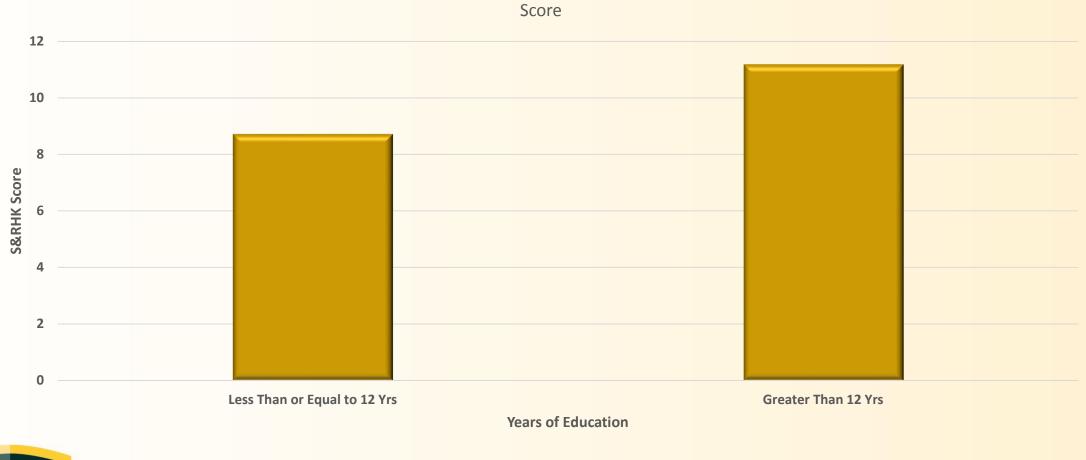
EFFECT OF EDUCATION ON S&RHK SCORE



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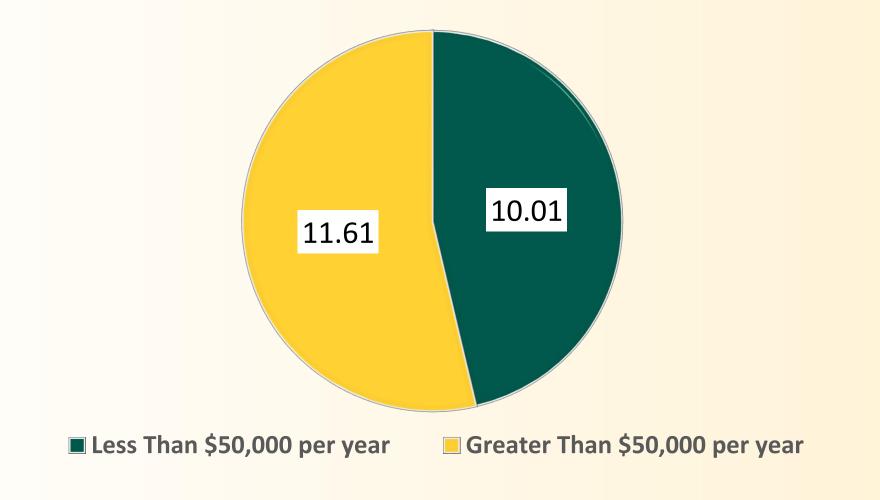
EFFECT OF EDUCATION ON S&RHK SCORE



**. Correlation is significant at the 0.01 level (2-tailed).



MEAN S&RHK SCORE BY INCOME





MEAN S&RHK SCORE BY INCOME

- S&RHK was strongly associated with education and income: two SDOH.
- Older women, irrespective of income, were found to score lower. Educational attainment seemed to have been the discriminating factor in this demographic.
- All three may figure prominently into an assessment of the effects of social accountability (i.e. the micro-, meso-, and macro- elements of social determinants of health) on health outcomes.



Strengths & Limitations

- Strengths
 - Relatively large sample size
 - Broad income and educational representation
 - Survey confidentiality ensured by research team throughout
 - Significant correlation between education level and S&RHK score
 - Significant correlation between income level and S&RHK score (though to a lesser extent)
- Limitations
 - Absence of Research Assistants on-site to do Exit Interviews
 - Incomplete or misunderstood information
 - Non-compliance with instructions on answering questions
 - Validation of the S&RHK survey tool in different demographics
 - Men
 - Non-African-American populations
 - Students



Conclusion

- S&RHK was strongly associated with education and income: two SDOH.
- Older women, irrespective of income, were found to score lower.
- Educational attainment seemed to have been the discriminating factor in this demographic.
- All three may figure prominently into an assessment of the effects of social accountability (i.e. the micro-, meso-, and macro- elements of social determinants of health) on health outcomes.



References

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Thank you for your attention!

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