

Cervical Cancer Screening is Feasible and Cost Effective In Women with Substance Abuse Disorders



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Disclosures



- My name is Katherine Rogg and I am a medical student at Tulane University School of Medicine.
- I have no financial or non financial relationships to disclose



Grace House

- A residential substance abuse facility for women, opened in 1985
- Based in New Orleans, a large, urban city in the southern United States
- Requires intake history and physical for each woman prior to entry into program



Objective



- To determine the level of need, feasibility, and cost effectiveness of a cervical cancer screening program in a large, (cap. 70) inner city residential substance abuse facility for women.



Methods



- **Prospective study**
- **Data Collected**
 - Patient Demographics
 - Papanicolaou (Pap) smear history
 - Liquid cytology and HPV results
 - STI results
 - Post Appointment Survey
- **Time Frame: 2012-2015**



Results



- **346 clients were accepted to Grace House from 2012-2015**
- **305 clients accepted Pap test and STI screening when offered**



Results from Post Appointment Survey



Statement	Number of subjects who agreed with statement (n=305)
“This service should be continued routinely”	208 (92%)
“I cannot obtain these services elsewhere”	216 (71%)

Results



Diagnoses	Number of Subjects (n=305)
Positive for chlamydia and/or gonorrhea	305 (37%)
Abnormal Pap results	116 (38%)
CIN Grade I-III (biopsy proven)	42 (13.8%)
Invasive Cervical Cancer	2 (<1%)

Discussion



- **Level of Need**
- **Cost-Effectiveness**
- **Feasibility**



Percent of Women Who Have Received a Pap smear within past 3 years



*Data collected from "Health, United States, 2015", U.S. Department of Health and Human Services

Cost Effectiveness



- **Average cost of program: \$4,000 per year**
 - Consumables
 - Professional services (cytology, STI test analysis)
 - All examinations/specimen collections are done by medical students (as part of their service requirement) with volunteer faculty supervision.
- **Average Savings: \$10,000 per year (based on average cost of referral for pelvic exam and pap test of \$140 and an average of 100 referral a year)**



Feasibility



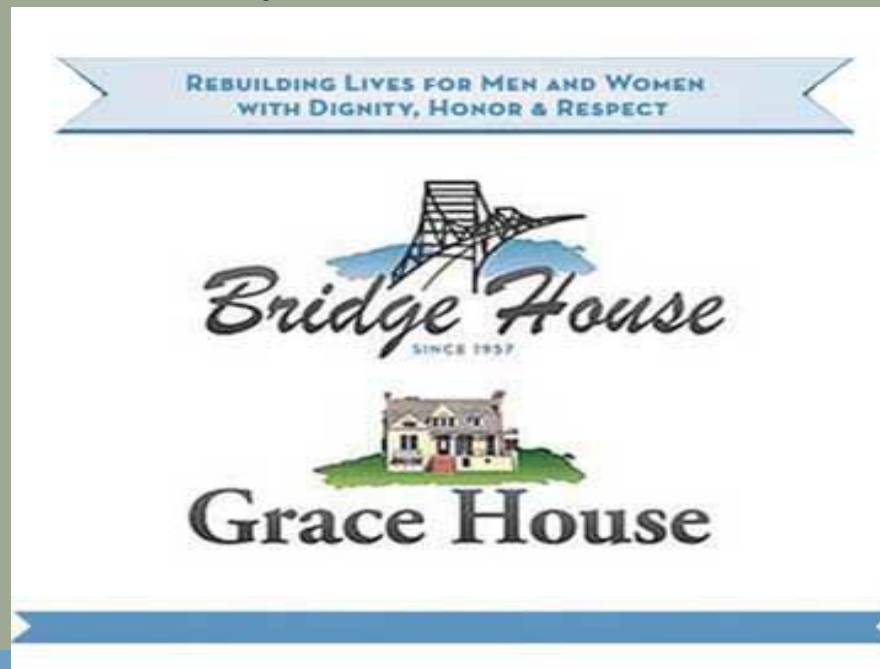
- Grace House Clinic is managed by Tulane University School of Medicine students
- The clinic is staffed by volunteer Tulane physicians
- Results are collected and triaged by a clinic nurse, and reviewed by the Medical Director (both volunteers)
- Abnormal results requiring colposcopy are faxed directly to Tulane's clinic



Final Thoughts



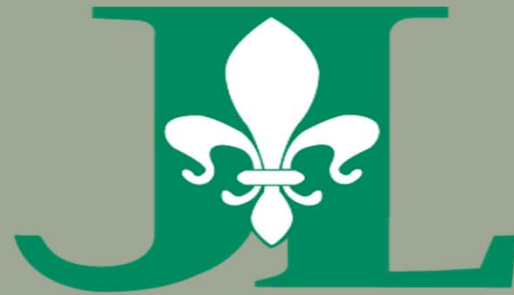
- In our study population of women undergoing substance abuse treatment, cervical cancer screening is feasible, cost-effective and appears to aid in prevention and early detection.



Acknowledgments



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Junior League of
New Orleans
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Questions?

