

Cancer Screening: Interventions Engaging Community Health Workers—Cervical Cancer

Summary Evidence Table

Abbreviations Used in This Document:

- Intervention components:
 - CI: client incentive
 - CR: client reminder
 - GE: group education
 - MM: mass media
 - OE: one-on-one education
 - PAF: provider assessment and feedback
 - PI: provider incentive
 - PR: provider reminder
 - ROPC: reducing out-of-pocket costs
 - RSB: reducing structural barriers
 - SM: small media
- Cancer types
 - BC: breast cancer
 - CC: cervical cancer
 - CRC: colorectal cancer
- Screening types
 - Flex sig: flexible sigmoidoscopy
 - FOBT: fecal occult blood test
 - MAM: mammography
 - Pap: Papanicolaou test
- Others
 - ED: emergency department
 - N/A: not applicable
 - NR: not reported
 - PN: patient navigator
 - RCT: randomized control trial

Study	Intervention Characteristics	Intervention Deliverer	Population	Results
<p>Author, Year: Allen et al; 2014</p> <p>Study Design: Pre-post</p> <p>Suitability of Design: Least</p> <p>Quality of Execution: Fair</p>	<p>Location: Boston, Massachusetts</p> <p>Setting: urban community</p> <p>Intervention Duration: 6 months</p> <p>Intervention Details: Type of cancer addressed: BC, CC, CRC</p> <p><i>Intervention arm: OE + GE + SM + RSB, alternate site, reducing admin barriers</i> OE: peer health advisors conducted education via telephone and in-person outreach GE: peer health advisors conducted group education during small group <i>charlas</i> and bingo nights SM: banners with scriptures and passages promoting health behaviors or self-care; culturally appropriate educational materials RSB, alternate sites: mammography van day with a mobile health van RSB, reducing admin barriers: assistance with applications for state-based insurance</p> <p>Intervention Intensity: weekly exposure during church</p>	<p>Training: 2 days of training covering risk factors, prevention, and screening guidelines</p> <p>Supervision: patient navigator provided supervision</p> <p>Matching to Population: recruited from church community by pastor based on leadership, communication, and interpersonal skills</p> <p>Educational Background: NR</p> <p>Payment: received small stipend</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Care coordination, case management, and system navigation; Providing coaching and social support; Building individuals and communities</p> <p>Extent of CHW Involvement:</p>	<p>Eligibility Criteria: female church members age 18 and older who self-identified as Hispanic or Latina and spoke either English or Spanish</p> <p>Sample Size: 77</p> <p>Attrition: 53%</p> <p>Demographics: <i>Mean age:</i> 43.9 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Hispanic <i>Employment:</i> 65% employed; 32% unemployed <i>Mean annual household income:</i> 48% <\$30K; 24% ≥\$30K <\$50K; 5% ≤\$50K <i>Education:</i> 36% <HS; 35% HS or GED; 21% some college; 8% ≥college <i>Insurance:</i> 64% insured <i>Established source of care:</i> NR <i>Baseline screening of intervention group:</i> 62% MAM; 89% Pap test; 75% any CRC screening</p>	<p>Outcome Measure: adherence to screening guidelines (annual FOBT or sigmoidoscopy within 5 years or colonoscopy within 10 years; mammogram within 2 years for women 40-49 or annual mammogram for ≥50; pap smear within 3 years)</p> <p>How Ascertained: self-reported</p> <p>Follow-up Time: NR</p> <p>Results: Absolute effectiveness, CHW in a team: High attrition; loss to follow-up not imputed Up-to-date with MAM: Pre 13/21=61.9% Post 18/21=85.7% Change +23.8pct pts</p> <p>Up-to-date with Pap test: Pre 24/27=88.9% Post 20/26=76.9% Change -12.0pct pts</p> <p>Up-to-date with CRC Screening using any test: Pre 9/12=75.0% Post 9/12=75.0% Change 0.0pct pts</p>

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	<p>Targeted or Tailored: tailored; targeted to Latinas and included religious themes</p>	<p>Implemented major part of intervention</p> <p>Specific Component Implemented by CHW: OE, GE</p> <p>Methods for Interaction with Participates: both</p>																																															
<p>Author, Year: Bird et al; 1998</p> <p>Study Design: Pre-post with comparison</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: San Francisco, California & Sacramento, California</p> <p>Setting: urban community</p> <p>Intervention Duration: 30 months</p> <p>Intervention Details: Type of cancer addressed: BC, CC</p> <p><i>Intervention arm: GE + SM + CI</i></p> <p>GE: small group prevention education held at participants' homes covered risk factors, screening recommendations and skill building</p> <p>SM: culturally appropriate wall posters, brochures, booklets, wall calendars, and promotional items distributed at small group sessions, health fairs, physician offices, neighborhood stores</p> <p>CI: women up-to-date were eligible to participate in drawing for prizes</p>	<p>Training: outreach team trained lay health workers</p> <p>Supervision: research staff provided supervision</p> <p>Matching to Population: recruited leaders and assistants from Vietnamese community</p> <p>Educational Background: NR</p> <p>Payment: leaders received \$65 stipend for each session; assistants received \$50 stipend per session</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Providing coaching and social support; Building individual and community capacity</p>	<p>Eligibility Criteria: Vietnamese women age 18 and older living in targeted census tracts with the ability to understand Vietnamese</p> <p>Sample Size: 717</p> <p>Attrition: N/A</p> <p>Demographics: <i>Age:</i> 46% 18-39 years; 26% 40-49 years; 29% ≥50 years <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Vietnamese <i>Employment:</i> 19% employed <i>Poverty:</i> 58% below poverty level <i>Education:</i> 23% ≥HS <i>Insurance:</i> 77% insured <i>Established source of care:</i> 79% had regular physician <i>Baseline screening of intervention group:</i> for recent screening, 54% mammogram; 46% pap smear</p>	<p>Outcome Measure: receipt of mammogram or pap smear</p> <p>How Ascertained: self-reported</p> <p>Follow-up Time: NR</p> <p>Results: Absolute effectiveness, CHW in a team: Up-to-date with MAM:</p> <table border="1" data-bbox="1409 818 1829 964"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>54%</td> <td>43%</td> </tr> <tr> <td>Post</td> <td>69%</td> <td>47%</td> </tr> <tr> <td>Change</td> <td>+15pct pts</td> <td>+4pct pts</td> </tr> <tr> <td>Difference</td> <td>+11pct pts</td> <td></td> </tr> </tbody> </table> <p>Maintained MAM (≥2 screening within previous 5 years and MAM within 1.5 years):</p> <table border="1" data-bbox="1409 1081 1829 1227"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>37%</td> <td>32%</td> </tr> <tr> <td>Post</td> <td>55%</td> <td>28%</td> </tr> <tr> <td>Change</td> <td>+18pct pts</td> <td>-4pct pts</td> </tr> <tr> <td>Difference</td> <td>+22pct pts</td> <td></td> </tr> </tbody> </table> <p>Up-to-date with Pap test:</p> <table border="1" data-bbox="1409 1284 1829 1430"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>46%</td> <td>40%</td> </tr> <tr> <td>Post</td> <td>66%</td> <td>42%</td> </tr> <tr> <td>Change</td> <td>+20pct pts</td> <td>+2pct pts</td> </tr> <tr> <td>Difference</td> <td>+18pct pts</td> <td></td> </tr> </tbody> </table>		Intervention	Control	Pre	54%	43%	Post	69%	47%	Change	+15pct pts	+4pct pts	Difference	+11pct pts			Intervention	Control	Pre	37%	32%	Post	55%	28%	Change	+18pct pts	-4pct pts	Difference	+22pct pts			Intervention	Control	Pre	46%	40%	Post	66%	42%	Change	+20pct pts	+2pct pts	Difference	+18pct pts	
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	<p><i>Control arm:</i> women in Sacramento, California served as controls; additional information not provided</p> <p>Intervention Intensity: NR</p> <p>Targeted or Tailored: targeted Vietnamese women</p>	<p>Extent of CHW Involvement: Implemented major part of intervention</p> <p>Specific Component Implemented by CHW: GE</p> <p>Methods for Interaction with Participates: face-to-face</p>		<p>Maintained Pap test (≥ 2 screening within previous 5 years and Pap within 2.5 years):</p> <table> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>26%</td> <td>25%</td> </tr> <tr> <td>Post</td> <td>45%</td> <td>22%</td> </tr> <tr> <td>Change</td> <td>+19pct pts</td> <td>-3pct pts</td> </tr> <tr> <td>Difference</td> <td>+22pct pts</td> <td></td> </tr> </tbody> </table>		Intervention	Control	Pre	26%	25%	Post	45%	22%	Change	+19pct pts	-3pct pts	Difference	+22pct pts																									
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<p>Author, Year: Braun et al; 2015</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: Moloka'i, Hawaii</p> <p>Setting: rural community and clinic</p> <p>Intervention Duration: NR</p> <p>Intervention Details: Type of cancer addressed: BC, CC, CRC</p> <p><i>Intervention arm: OE + CR + RSB, appointment scheduling, transportation, reducing admin barriers, childcare</i></p> <p>OE: navigators performed outreach education CR: navigators sent appointment reminders via mail or telephoned reminders RSB, appointment scheduling: lay navigators scheduled appointments and made follow-up appointments</p>	<p>Training: completed 48-hour evidence-based navigator training program and participated in quarterly continuing education sessions</p> <p>Supervision: nurse supervision in first year, then physicians and young college-educated female provided supervision</p> <p>Matching to Population: recruited from community and matched on ethnicity</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate</p>	<p>Eligibility Criteria: Medicare beneficiaries residing on Moloka'i</p> <p>Sample Size: 488</p> <p>Attrition: NR</p> <p>Demographics: <i>Mean age:</i> 67.5 years <i>Gender:</i> 53.3% female <i>Race/Ethnicity:</i> 46.5% Asian; 45.0% Native Hawaiian <i>Employment:</i> NR <i>Income:</i> NR <i>Education:</i> 36.9% <HS; 62.3% \geqHS <i>Insurance:</i> 100% <i>Established source of care:</i> NR <i>Baseline screening of intervention group:</i> 29.7% mammogram; 37.5% pap smear; 12.8% FOBT; 24.8% endoscopy</p>	<p>Outcome Measure: compliance with cancer screening according to USPSTF guidelines</p> <p>How Ascertained: self-reported</p> <p>Follow-up Time: NR</p> <p>Results: Absolute effectiveness, CHW alone: Up-to-date with MAM:</p> <table> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>38/128=29.7%</td> <td>47/132=35.6%</td> </tr> <tr> <td>Post</td> <td>79/128=61.7%</td> <td>56/132=42.4%</td> </tr> <tr> <td>Change</td> <td>+32.0pct pts</td> <td>+6.8pct pts</td> </tr> <tr> <td>Difference</td> <td>+25.2pct pts</td> <td></td> </tr> </tbody> </table> <p>Up-to-date with Pap test:</p> <table> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>48/128=37.5%</td> <td>52/132=39.4%</td> </tr> <tr> <td>Post</td> <td>73/128=57.0%</td> <td>48/132=36.4%</td> </tr> <tr> <td>Change</td> <td>+19.5pct pts</td> <td>-3.0pct pts</td> </tr> <tr> <td>Difference</td> <td>+22.5pct pts</td> <td></td> </tr> </tbody> </table> <p>Up-to-date with FOBT:</p> <table> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>31/242=12.8%</td> <td>27/246=11.0%</td> </tr> <tr> <td>Post</td> <td>50/242=20.7%</td> <td>31/246=12.6%</td> </tr> </tbody> </table>		Intervention	Control	Pre	38/128=29.7%	47/132=35.6%	Post	79/128=61.7%	56/132=42.4%	Change	+32.0pct pts	+6.8pct pts	Difference	+25.2pct pts			Intervention	Control	Pre	48/128=37.5%	52/132=39.4%	Post	73/128=57.0%	48/132=36.4%	Change	+19.5pct pts	-3.0pct pts	Difference	+22.5pct pts			Intervention	Control	Pre	31/242=12.8%	27/246=11.0%	Post	50/242=20.7%	31/246=12.6%
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	<p>RSB, transportation: provided transportation to appointments RSB, reducing admin barriers: lay navigators communicated with providers and completed paperwork RSB, childcare: lay navigators made arrangements to take care of family while participant was at appointment</p> <p><i>Control arm:</i> received nutrition education and relevant cancer education materials from another healthcare entity on island</p> <p>Intervention Intensity: NR</p> <p>Targeted or Tailored: tailored; targeted local Hawaiians</p>	<p>health education and information; Care coordination, care management, and system navigation; Providing coaching and social support; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented everything</p> <p>Specific Component Implemented by CHW: all components</p> <p>Methods for Interaction with Participates: both</p>		<p>Change +7.9pct pts +1.6pct pts Difference +6.3pct pts</p> <p>Up-to-date with endoscopy: Intervention Control Pre 60/242=24.8% 62/246=25.2% Post 104/242=43.0% 67/246=27.2% Change +18.2pct pts +2.0pct pts Difference +16.2pct pts</p>												
<p>Author, Year: Byrd et al; 2013</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution:</p>	<p>Location: El Paso, Texas, Houston, Texas & Yakima Valley, Washington</p> <p>Setting: urban and rural communities</p> <p>Intervention Duration: 1 session</p> <p>Intervention Details: Type of cancer addressed: CC</p> <p><i>Intervention arm: OE</i></p>	<p>Training: promotora instruction guide with detailed steps for promotoras on how to deliver interventions</p> <p>Supervision: NR</p> <p>Matching to Population: promotoras were of Hispanic origin and of similar SES to women in study population</p>	<p>Eligibility Criteria: women with Mexican origin age 21 or older with no previous history of cancer or hysterectomy and no cervical cancer screening in past 3 years</p> <p>Sample Size: 304</p> <p>Attrition: 14%</p> <p>Demographics:</p>	<p>Outcome Measure: pap smear screening at follow-up</p> <p>How Ascertained: self-reported with some records reviewed through medical records</p> <p>Follow-up Time: 6 months</p> <p>Results: Absolute effectiveness, CHW alone:</p> <table> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Overall</td> <td></td> <td></td> </tr> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>17.9%</td> <td>7.2%</td> </tr> </tbody> </table>		Intervention	Control	Overall			Pre	0%	0%	Post	17.9%	7.2%
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Interventions Engaging Community Health Workers to Increase Cervical Cancer Screening – Summary Evidence Table

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Fair	<p>OE: promotoras deliver intervention in English or Spanish and use a video to discuss barriers to facilitators for cervical cancer screening and a flip chart, games, and handouts to reinforce the message</p> <p><i>Control arm:</i> usual care</p> <p>Intervention Intensity: 1 in-person session</p> <p>Targeted or Tailored: tailored; targeted to Hispanic population</p>	<p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Providing coaching and social support; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented everything</p> <p>Specific Component Implemented by CHW: all components</p> <p>Methods for Interaction with Participates: face-to-face</p>	<p><i>Mean age:</i> NR <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Hispanic <i>Employment:</i> NR <i>Income:</i> NR <i>Education:</i> NR <i>Insurance:</i> NR <i>Established source of care:</i> NR <i>Baseline screening of intervention group:</i> 0%</p>	<table border="0"> <tr> <td>Change</td> <td>+17.9pct pts</td> <td>+7.2pct pts</td> </tr> <tr> <td>Difference</td> <td>+10.7pct pts</td> <td></td> </tr> <tr> <td colspan="3">Rural site</td> </tr> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>30%</td> <td>6.4%</td> </tr> <tr> <td>Change</td> <td>+30pct pts</td> <td>+6.4pct pts</td> </tr> <tr> <td>Difference</td> <td>+23.6pct pts</td> <td></td> </tr> <tr> <td colspan="3">Urban site</td> </tr> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>23.5%</td> <td>7.2%</td> </tr> <tr> <td>Change</td> <td>+23.5pct pts</td> <td>+7.2pct pts</td> </tr> <tr> <td>Difference</td> <td>+16.3pct pts</td> <td></td> </tr> </table>	Change	+17.9pct pts	+7.2pct pts	Difference	+10.7pct pts		Rural site			Pre	0%	0%	Post	30%	6.4%	Change	+30pct pts	+6.4pct pts	Difference	+23.6pct pts		Urban site			Pre	0%	0%	Post	23.5%	7.2%	Change	+23.5pct pts	+7.2pct pts	Difference	+16.3pct pts	
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<p>Author, Year: Dignan et al; 1998</p> <p>Study Design: RCT</p> <p>Suitability of Design:</p>	<p>Location: Robeson County, North Carolina</p> <p>Setting: rural community</p> <p>Intervention Duration: 1 month</p> <p>Intervention Details: Type of cancer addressed: CC</p>	<p>Training: investigators trained lay health educators</p> <p>Supervision: investigators used participant observation techniques</p>	<p>Eligibility Criteria: Lumbee tribe members residing in Robeson County who were age 18 years or older</p> <p>Sample Size: 424</p> <p>Attrition: 12.7%</p> <p>Demographics:</p>	<p>Outcome Measure: Pap test in past year</p> <p>How Ascertained: self-reported</p> <p>Follow-up Time: 6 months</p> <p>Results: Absolute effectiveness, CHW in a team: Odds of intervention group reporting Pap test in past year compared to control group: OR 1.3 (95% CI: 0.83, 2.08)</p>																																				

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Study	Intervention Characteristics	Intervention Deliverer	Population	Results												
<p>Greatest</p> <p>Quality of Execution: Fair</p>	<p><i>Intervention arm: OE + SM</i> OE: lay health educators provided individualized and culturally sensitive information on cervical cancer, Pap smears, and importance of follow-up care during home visits SM: periodic mailings that reinforced information shared during home visits</p> <p><i>Control arm: usual care</i></p> <p>Intervention Intensity: 2 home visits</p> <p>Targeted or Tailored: tailored; targeted to Lumbee Native Americans</p>	<p>Matching to Population: lay health educators were Lumbee tribal members</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Providing culturally appropriate health education and information; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented major part of intervention</p> <p>Specific Component Implemented by CHW: OE</p> <p>Methods for Interaction with Participates: both</p>	<p><i>Mean age:</i> 42.4 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Native American <i>Employment:</i> NR <i>Mean annual household income:</i> 9% <\$5,000; 18% \$5,000-10,999; 26% \$11,000-19,999; 28% \$20,000-39,999; 8% ≥40,000 <i>Education:</i> 16% ≤8th; 21% 8th-12th; 36% HS; 28% >HS <i>Insurance:</i> 42% insured <i>Established source of care:</i> 62.5% had annual physical exam <i>Baseline screening of intervention group:</i> NR</p>													
<p>Author, Year: Dunn et al; 2017</p> <p>Study Design: Pre-post w/comparison</p> <p>Suitability of Design: Greatest</p>	<p>Location: Toronto, Canada</p> <p>Setting: urban community</p> <p>Intervention Duration: 1 session</p> <p>Intervention Details: Type of cancer addressed: BC, CC</p> <p><i>Intervention arm: GE + CR + RSB, reducing admin barriers, translation,</i></p>	<p>Training: 3-day training included communication and group facilitation skills and women centered decision making</p> <p>Supervision: staff provided ongoing mentorship</p> <p>Matching to Population: matched on language</p> <p>Educational Background: NR</p>	<p>Eligibility Criteria: women aged 21 to 69 for Pap test or 50 to 74 for mammography who have not been screening within past 36 months</p> <p>Sample Size: 327</p> <p>Attrition: 0%</p> <p>Demographics:</p>	<p>Outcome Measure: Pap test or mammogram after GE session</p> <p>How Ascertained: anonymized Pap and MAM data</p> <p>Follow-up Time: 8 months</p> <p>Results: Absolute effectiveness, CHW alone: Up-to-date with MAM:</p> <table border="1" data-bbox="1394 1339 1955 1453"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>67/183=36.6%</td> <td>71/536=13.2%</td> </tr> <tr> <td>Change</td> <td>+36.6pct pts</td> <td>+13.2pct pts</td> </tr> </tbody> </table>		Intervention	Control	Pre	0%	0%	Post	67/183=36.6%	71/536=13.2%	Change	+36.6pct pts	+13.2pct pts
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Study	Intervention Characteristics	Intervention Deliverer	Population	Results															
<p>Quality of Execution: Good</p>	<p><i>appointment scheduling, transportation</i> GE: peer leaders provided information about cervical and breast cancer screening using PowerPoint presentation CR: follow-up phone calls to reinforce screening messages RSB, reducing admin barriers: peer leader organized and accompanied group visits to screening sites RSB, translation: peer leaders provided language support during group visits RSB, appointment scheduling: appointment assistance RSB, transportation: transportation to screening appointments</p> <p><i>Control arm: usual care</i></p> <p>Intervention Intensity: 1 in-person session</p> <p>Targeted or Tailored: targeted to communities with new immigrants who live in lower-income areas</p>	<p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Care coordination, case management, and system navigation; Providing coaching and social support; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented everything</p> <p>Specific Component Implemented by CHW: all components</p> <p>Methods for Interaction with Participates: both</p>	<p><i>Mean age:</i> 49.3 Pap eligible; 61.9 mammography eligible <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> NR <i>Employment:</i> NR <i>Income:</i> NR <i>Education:</i> NR <i>Insurance:</i> NR <i>Established source of care:</i> NR <i>Baseline screening of intervention group:</i> 0%</p>	<p>Difference +23.4pct pts</p> <p>Up-to-date with Pap test:</p> <table border="1"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>52/201=25.9%</td> <td>45/583=7.7%</td> </tr> <tr> <td>Change</td> <td>+25.9pct pts</td> <td>+7.7pct pts</td> </tr> <tr> <td>Difference</td> <td>+18.2pct pts</td> <td></td> </tr> </tbody> </table>		Intervention	Control	Pre	0%	0%	Post	52/201=25.9%	45/583=7.7%	Change	+25.9pct pts	+7.7pct pts	Difference	+18.2pct pts	
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<p>Author, Year: Elder et al; 2017</p> <p>Study Design:</p>	<p>Location: San Diego County, California</p> <p>Setting: urban community</p> <p>Intervention Duration: 12 months</p>	<p>Training: 24 hours of training delivered through biweekly meetings over 6 weeks conducted in Spanish</p> <p>Supervision: NR</p>	<p>Eligibility Criteria: Hispanic women attending participating Catholic Churches</p> <p>Sample Size: 436</p>	<p>Outcome Measure: Pap test in last 3 years, MAM in last year, FOBT in last year, colonoscopy and sigmoidoscopy ever</p> <p>How Ascertained: self-reported</p> <p>Follow-up Time: 12 months</p>															

Study	Intervention Characteristics	Intervention Deliverer	Population	Results																																																												
RCT Suitability of Design: Greatest Quality of Execution: Fair	<p>Intervention Details: Type of cancer addressed: BC, CC, CRC</p> <p><i>Intervention arm: GE + OE + RSB, reducing admin barriers, appointment scheduling</i></p> <p>GE: 6-week series of classes that cover information about cancer screening recommendations and risk factors OE: up to 2 motivational interviewing calls evaluating barriers to screening RSB, reducing admin barriers: promotoras accompanied participants to cancer screening appointments as needed RSB, appointment scheduling: promotoras helped participants schedule appointments</p> <p><i>Control arm: received physical activity education</i></p> <p>Intervention Intensity: four 90-120 minutes GE sessions and 2 OE phone calls</p> <p>Targeted or Tailored: tailored; targeted to Hispanic women</p>	<p>Matching to Population: promotoras chosen from community by church leaders</p> <p>Educational Background: NR</p> <p>Payment: \$10 per hour (5-10 hours per week)</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Care coordination, case management, and system navigation; Providing coaching and social support; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented everything</p> <p>Specific Component Implemented by CHW: all components</p> <p>Methods for Interaction with Participates: both</p>	<p>Attrition: NR</p> <p>Demographics: <i>Age:</i> 31.9% 18-39; 68.1% 40-65 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Hispanic <i>Employment:</i> 65.8% employed <i>Monthly household income:</i> 58.3% <\$2,000 <i>Education:</i> 54.8% <HS <i>Insurance:</i> 48.0% insured <i>Established source of care:</i> NR <i>Baseline screening of intervention group:</i> 44% mammography; 90% Pap test; 15% FOBT; 37% colonoscopy</p>	<p>Results: Absolute effectiveness, CHW alone:</p> <p>Up-to-date with MAM:</p> <table> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>44%</td> <td>52%</td> </tr> <tr> <td>Post</td> <td>61%</td> <td>42%</td> </tr> <tr> <td>Change</td> <td>+17pct pts</td> <td>-10pct pts</td> </tr> <tr> <td>Difference</td> <td>+27pct pts</td> <td></td> </tr> </tbody> </table> <p>Up-to-date with Pap test:</p> <table> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>90%</td> <td>85%</td> </tr> <tr> <td>Post</td> <td>90%</td> <td>88%</td> </tr> <tr> <td>Change</td> <td>+0pct pts</td> <td>+3pct pts</td> </tr> <tr> <td>Difference</td> <td>-3pct pts</td> <td></td> </tr> </tbody> </table> <p>Up-to-date with FOBT:</p> <table> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>15%</td> <td>13%</td> </tr> <tr> <td>Post</td> <td>25%</td> <td>20%</td> </tr> <tr> <td>Change</td> <td>+10pct pts</td> <td>+7pct pts</td> </tr> <tr> <td>Difference</td> <td>+3pct pts</td> <td></td> </tr> </tbody> </table> <p>Up-to-date with colonoscopy or sigmoidoscopy:</p> <table> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>37%</td> <td>31%</td> </tr> <tr> <td>Post</td> <td>53%</td> <td>40%</td> </tr> <tr> <td>Change</td> <td>+16pct pts</td> <td>+9pct pts</td> </tr> <tr> <td>Difference</td> <td>+7pct pts</td> <td></td> </tr> </tbody> </table>		Intervention	Control	Pre	44%	52%	Post	61%	42%	Change	+17pct pts	-10pct pts	Difference	+27pct pts			Intervention	Control	Pre	90%	85%	Post	90%	88%	Change	+0pct pts	+3pct pts	Difference	-3pct pts			Intervention	Control	Pre	15%	13%	Post	25%	20%	Change	+10pct pts	+7pct pts	Difference	+3pct pts			Intervention	Control	Pre	37%	31%	Post	53%	40%	Change	+16pct pts	+9pct pts	Difference	+7pct pts	
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<p>Author, Year: Fang et al; 2017</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: southeastern Pennsylvania and New Jersey</p> <p>Setting: community</p> <p>Intervention Duration: 6 months</p> <p>Intervention Details: Type of cancer addressed: CC</p> <p><i>Intervention arm: GE+ SM+ RSB, appointment scheduling, translation, child care, transportation</i> GE: one 2hour education session held at church sites; focused on risk factors, screening guidelines and procedures, and possible barriers; information on available low-cost or free screening sites SM: follow-up reminder letter for screening sent 6 months after GE session RSB, appointment scheduling: offered navigation assistance for screening; most commonly requested appointment scheduling assistance RSB, translation: translation services RSB, childcare: childcare arrangements RSB, transportation: transportation assistance</p>	<p>Training: NR</p> <p>Supervision: NR</p> <p>Matching to Population: NR</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Providing culturally appropriate health education and information; Care coordination, case management, and system navigation; Building individual and community capacity</p> <p>Extent of CHW Involvement: Implemented minor part of intervention</p> <p>Specific Component Implemented by CHW: GE</p> <p>Methods for Interaction with Participates: face-to-face</p>	<p>Eligibility Criteria: Self-identified Korean women age 21 years or older who were not adherent to current Pap test guidelines and had no diagnosis of cervical cancer or other cancer abnormality</p> <p>Sample Size: 705</p> <p>Attrition: 16.6%</p> <p>Demographics: <i>Mean age:</i> 52.9 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Korean <i>Employment:</i> 53.7% employed <i>Income:</i> NR <i>Education:</i> <HS 9.3%; HS 31,7%; ≥college 59% <i>Insurance:</i> 48.4% insured <i>Established source of care:</i> 50% in intervention group and 61.5% in control group report having a physician <i>Baseline screening of intervention group:</i> 0.0%</p>	<p>Outcome Measure: receipt of PAP</p> <p>How Ascertained: self-Report</p> <p>Follow-up Time: 6 Months</p> <p>Results: Absolute effectiveness, CHW in a team</p> <table border="1"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>209/347 = 60.2%</td> <td>30/358 = 8.4%</td> </tr> <tr> <td>Change</td> <td>+60.2pct pts</td> <td>+8.4pct pts</td> </tr> <tr> <td>Difference</td> <td colspan="2">+51.8pct pts</td> </tr> </tbody> </table>		Intervention	Control	Pre	0%	0%	Post	209/347 = 60.2%	30/358 = 8.4%	Change	+60.2pct pts	+8.4pct pts	Difference	+51.8pct pts	
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Study	Intervention Characteristics	Intervention Deliverer	Population	Results																														
	<p><i>Control arm:</i> 2-hour education session on general health, cancer education, including tobacco, nutrition, benefits of routine medical checkups; recommended to seek regular preventive health care</p> <p>Intervention Intensity: one 2hour educational session plus follow up letter</p> <p>Targeted or Tailored: targeted to Korean women</p>																																	
<p>Author, Year: Fernandez et al; 2009</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: California, New Mexico, & Texas</p> <p>Setting: rural community</p> <p>Intervention Duration: 2 weeks</p> <p>Intervention Details: Type of cancer addressed: BC, CC</p> <p><i>Intervention arm: OE</i> OE: LHWs contacted all women to set up one-on-one session in women’s homes within 2 months of initial contact; sessions lasted 1-2 hours and consisted of a presentation and discussion using the Cultivando la Salud materials; used a “tool box” which contained bilingual breast and cervical cancer</p>	<p>Training: program materials consisted of program training curriculum and set of teaching tools for LHWs</p> <p>Supervision: used process evaluation measures including LHW encounter forms and randomly selected instances of direct observation by supervisor</p> <p>Matching to Population: matched on language</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities,</p>	<p>Eligibility Criteria: Hispanic female farmworkers aged 50 years and older with no cancer diagnosis, have farmworker status, and were non-adherent to breast or cervical cancer screening recommendations</p> <p>Sample Size: 464 eligible for MAM; 243 eligible for Pap test</p> <p>Attrition: 30%</p> <p>Demographics: <i>Age:</i> 48.9% 50-59; 26.9% 60-69; 24.1% ≥70 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Hispanic, primarily Mexican American</p>	<p>Outcome Measure: completed MAM or PAP test within 6 months</p> <p>How Ascertained: self-reported with verified medical records</p> <p>Follow-up Time: 6 months</p> <p>Results: Absolute effectiveness, CHW alone</p> <p>Up-to-date with MAM:</p> <table border="1" data-bbox="1394 1052 1955 1198"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>25.6% (53/207)</td> <td>20.6% (53/257)</td> </tr> <tr> <td>Change</td> <td>+25.6pct pts</td> <td>+20.6pct pts</td> </tr> <tr> <td>Difference</td> <td colspan="2">+5pct pts ($p>0.05$)</td> </tr> </tbody> </table> <p>Up-to-date with Pap test:</p> <table border="1" data-bbox="1394 1230 1955 1409"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>24.2% (32/132)</td> <td>18.9% (21/111)</td> </tr> <tr> <td>Change</td> <td>+24.2pct pts</td> <td>+18.9pct pts</td> </tr> <tr> <td>Difference</td> <td colspan="2">+5.3pct pts ($p>0.05$)</td> </tr> </tbody> </table>		Intervention	Control	Pre	0%	0%	Post	25.6% (53/207)	20.6% (53/257)	Change	+25.6pct pts	+20.6pct pts	Difference	+5pct pts ($p>0.05$)			Intervention	Control	Pre	0%	0%	Post	24.2% (32/132)	18.9% (21/111)	Change	+24.2pct pts	+18.9pct pts	Difference	+5.3pct pts ($p>0.05$)	
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Interventions Engaging Community Health Workers to Increase Cervical Cancer Screening – Summary Evidence Table

Study	Intervention Characteristics	Intervention Deliverer	Population	Results									
	<p>educational materials including a video, flipchart, breast models, pamphlets, and teaching guide; at the end of each session, LHWs would provide information about local providers of breast and cervical cancer screening; contacted women 2 weeks after session to provide any further assistance that might be needed</p> <p><i>Control arm:</i> NR but assume usual care</p> <p>Targeted or Tailored: targeted to Hispanic female farmworkers with tailored information</p>	<p>and health and social service systems; Providing culturally appropriate health education and information; Care coordination, case management, and system navigation; Providing coaching and social support; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented everything</p> <p>Specific Component Implemented by CHW: all components</p> <p>Methods for Interaction with Participates: face-to-face, remote for follow-up</p>	<p><i>Employment:</i> NR <i>Income:</i> 71.6% <\$20,000 <i>Education:</i> 92.6% 0-11 years <i>Insurance:</i> 54.7% Insured <i>Established source of care:</i> NR <i>Baseline screening of intervention group:</i> 0%</p>										
<p>Author, Year: Han et al; 2017</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution:</p>	<p>Location: Baltimore, Maryland & Washington, D.C. Metropolitan Area</p> <p>Setting: urban community</p> <p>Intervention Duration: 6 months</p> <p>Intervention Details: Type of cancer addressed: BC, CC</p> <p><i>Intervention arm: SM + GE + OE</i></p>	<p>Training: CHW training differed by group assignment; CHWs in the intervention group received 16 hours of training over 3 days, whereas CHWs in the control group received 5 hours of training in 1 day</p> <p>Supervision: NR</p> <p>Matching to Population: recruited from 23 ethnic churches</p>	<p>Eligibility Criteria: Korean American women aged 21 to 65, had not had mammogram (for women 40 and over) or Pap test within past 24 months, able to read and write in Korean or English</p> <p>Sample Size: 560</p> <p>Attrition: 0%</p>	<p>Outcome Measure: adherence to age-appropriate screening guidelines at 6-month follow-up; MAM or PAP</p> <p>How Ascertained: self-report at baseline and medical record review at follow-up</p> <p>Follow-up Time: 0 months</p> <p>Results: Absolute effectiveness, CHW in a team:</p> <table border="1" data-bbox="1394 1339 1955 1451"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>111/198=56.1%</td> <td>20/201=10.0%</td> </tr> </tbody> </table>		Intervention	Control	Pre	0%	0%	Post	111/198=56.1%	20/201=10.0%
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Interventions Engaging Community Health Workers to Increase Cervical Cancer Screening – Summary Evidence Table

Study	Intervention Characteristics	Intervention Deliverer	Population	Results															
Fair	<p>SM: individually tailored cancer-screening brochure GE: CHWs delivered health literacy skills training in a 1.5 to 2hr long group meeting OE: CHWs made monthly phone calls to reinforce new skills and knowledge acquired from health literacy training and provide navigation assistance with individually specified barriers over 6-month period</p> <p><i>Control arm:</i> wait list control group received publicly available educational brochures related to breast and cervical cancer.</p> <p>Intervention Intensity: mailing plus 1 in-person group meeting plus monthly remote individual phone calls</p> <p>Targeted or Tailored: targeted to Korean-American women Tailored: OE</p>	<p>Educational Background: at least High school education</p> <p>Payment: NR</p> <p>Roles Performed: Cultural Mediation among Individuals, Communities, and Health and Social Service Systems; Providing Culturally Appropriate Health Education and Information; Providing Coaching and Social Support; Building Individual and Community Capacity; Conducting Outreach</p> <p>Extent of CHW Involvement: Implemented major part of intervention</p> <p>Specific Component Implemented by CHW: GE, OE</p> <p>Methods for Interaction with Participates: both</p>	<p>Demographics: <i>Mean age:</i> 46.1 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Asian (Korean American) <i>Employment:</i> 57.9% employed <i>Income:</i> Reports "very comfortable or comfortable," "just ok," and "uncomfortable or very uncomfortable" <i>Education:</i> 64.8% > HS <i>Insurance:</i> 37.9% insured <i>Established source of care:</i> 34.5% with primary care provider <i>Baseline screening of intervention group:</i> 0%</p>	<p>Change +56.1pct pts Difference +46.1pct pts</p> <p>Up-to-date with Pap test:</p> <table border="1" data-bbox="1394 354 1959 500"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>134/246=54.5%</td> <td>23/251=9.2%</td> </tr> <tr> <td>Change</td> <td>+54.5pct pts</td> <td>+9.2pct pts</td> </tr> <tr> <td>Difference</td> <td>+45.3pct pts</td> <td></td> </tr> </tbody> </table>		Intervention	Control	Pre	0%	0%	Post	134/246=54.5%	23/251=9.2%	Change	+54.5pct pts	+9.2pct pts	Difference	+45.3pct pts	
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<p>Author, Year: Lam et al; 2003</p> <p>Study Design: RCT</p>	<p>Location: San Jose, CA</p> <p>Setting: urban community</p> <p>Intervention Duration: 2 months</p> <p>Intervention Details:</p>	<p>Training: 2x3hr sessions; trainees learn about female reproductive anatomy, cervical cancer and screening; learn about evaluation process, recruitment of participants,</p>	<p>Eligibility Criteria: Organization: 2 NGOs who are partners of the program CHWs: each NGO recruited 10 CHWs Participants: each CHW recruited 20 women</p>	<p>Outcome Measure: ever had a Pap test at baseline and follow-up</p> <p>How Ascertained: self-report</p> <p>Follow-up Time: 1-2 months</p> <p>Results:</p>															

Study	Intervention Characteristics	Intervention Deliverer	Population	Results															
<p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Type of cancer addressed: CC</p> <p><i>Intervention arm: GE + RSB, appointment scheduling + MM</i> GE: conducted during MM campaign; groups organized with 3-4 women to participate in 2x90 minutes sessions, or groups of 5-10 women to participate in 2x120-minute sessions; discussing cervical cancer and benefit of Pap test RSB, appointment scheduling: helped some women to schedule Pap tests MM: TV, radio, and newspaper ads in Vietnamese language channels; posters and information booklet distributed in physicians' offices, community forums, CHW sessions, and culture events</p> <p><i>Control arm: exposed to MM; received delayed intervention</i></p> <p>Intervention Intensity: 2 sessions, either 90 minutes or 120 minutes per session</p> <p>Targeted or Tailored: targeted to Vietnamese females</p>	<p>giving oral presentations etc.</p> <p>Supervision: NR</p> <p>Matching to Population: yes, Vietnamese-American women, ages 18 or older, shared ethnic background and were from Santa Clara Vietnamese community</p> <p>Educational Background: NR</p> <p>Payment: each CHW paid a \$1,500</p> <p>Roles Performed: 1, 2, 3, 4, 6,</p> <p>Extent of CHW Involvement: Implemented major part of intervention</p> <p>Specific Component Implemented by CHW: GE + RSB, appointment scheduling</p> <p>Methods for Interaction with Participates: face-to-face</p>	<p>from her social networks; these women randomized into intervention and control groups</p> <p>Sample Size: 400</p> <p>Attrition: 0%</p> <p>Demographics: <i>Mean age: 43</i> <i>Gender: 100% female</i> <i>Race/Ethnicity: 100% Vietnamese American</i> <i>Employment: 29.3% employed; 21.5% unemployed; 33.3% homemaker; 12.5% students</i> <i>Income: NR</i> <i>Education: 52.3% with <12yrs</i> <i>Insurance: NR</i> <i>Established source of care: NR</i> <i>Baseline screening of intervention group: 56.5%</i></p>	<p>Incremental effectiveness, CHW added:</p> <table border="0"> <tr> <td></td> <td style="text-align: center;">Intervention</td> <td style="text-align: center;">Control</td> </tr> <tr> <td>Pre</td> <td style="text-align: center;">113/200=56.5%</td> <td style="text-align: center;">134/200=67.0%</td> </tr> <tr> <td>Post</td> <td style="text-align: center;">140/200=70.0%</td> <td style="text-align: center;">139/200=69.5%</td> </tr> <tr> <td>Change</td> <td style="text-align: center;">+13.5pct pts</td> <td style="text-align: center;">+2.5pct pts</td> </tr> <tr> <td>Difference</td> <td colspan="2" style="text-align: center;">+11.0pct pts</td> </tr> </table>		Intervention	Control	Pre	113/200=56.5%	134/200=67.0%	Post	140/200=70.0%	139/200=69.5%	Change	+13.5pct pts	+2.5pct pts	Difference	+11.0pct pts	
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Study	Intervention Characteristics	Intervention Deliverer	Population	Results															
<p>Author, Year: Luque et al; 2016</p> <p>Study Design: Pre-post w/ comparison</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: Southeast Georgia</p> <p>Setting: rural community</p> <p>Intervention Duration: 1 session</p> <p>Intervention Details: Type of cancer addressed: CC</p> <p><i>Intervention arm: GE</i> GE: promotoras led 3-hour sessions of groups of 5-7 participants at churches, community organizations, businesses, or homes; covered cervical cancer knowledge and barriers to care using materials created in partnership with promotoras</p> <p><i>Control arm:</i> nutrition classes took place at churches or homes</p> <p>Intervention Intensity: 1-time 3-hour session</p> <p>Targeted or Tailored: targeted to Hispanic immigrants</p>	<p>Training: two 6-hour training sessions</p> <p>Supervision: NR</p> <p>Matching to Population: matched on language and recruited from existing outreach programs on diabetes education and domestic violence prevention</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Providing coaching and social support; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented everything</p> <p>Specific Component Implemented by CHW: all components</p>	<p>Eligibility Criteria: female, Hispanic immigrants aged 21 to 65 years who had not received a Pap test in past 2 years</p> <p>Sample Size: 90</p> <p>Attrition: 0%</p> <p>Demographics: <i>Mean age:</i> 39 years <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Hispanic <i>Employment:</i> 66% employed <i>Median weekly income:</i> \$250-500 <i>Education:</i> mean 9 years of schooling <i>Insurance:</i> 2% insured <i>Established source of care:</i> 42% had regular health care provider <i>Baseline screening of intervention group:</i> 0%</p>	<p>Outcome Measure: completed Pap test</p> <p>How Ascertained: self-reported</p> <p>Follow-up Time: 3 months</p> <p>Results: Absolute effectiveness, CHW alone:</p> <table border="1" data-bbox="1402 467 1950 613"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>12/38=31.6%</td> <td>10/52 = 19.2%</td> </tr> <tr> <td>Change</td> <td>+31.6pct pts</td> <td>+19.2pct pts</td> </tr> <tr> <td>Difference</td> <td>+12.3pct pts</td> <td></td> </tr> </tbody> </table>		Intervention	Control	Pre	0%	0%	Post	12/38=31.6%	10/52 = 19.2%	Change	+31.6pct pts	+19.2pct pts	Difference	+12.3pct pts	
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		<p>Methods for Interaction with Participates: face-to-face</p>																	
<p>Author, Year: Ma et al; 2015</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: US, no state specified</p> <p>Setting: community</p> <p>Intervention Duration: NR</p> <p>Intervention Details: Type of cancer addressed: CC</p> <p><i>Intervention arm: GE + SM + RSB, appointment scheduling + RSB, translation + RSB, transportation</i></p> <p>GE: community health educators led small groups and covered information about female body, cervical cancer, risks nationally and in Vietnamese population, and procedures for Pap testing; used visual aids SM: used supplemental visual aids and multimedia cervical cancer education materials in Vietnamese; client-physician communication via videotaping RSB, appointment scheduling: assistance with appointment RSB, translation: language assistance during patient navigation</p>	<p>Training: community health educators were trained but details were not provided</p> <p>Supervision: NR</p> <p>Matching to Population: matched on language</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Care coordination, case management, and system navigation, Building individual and community capacity</p> <p>Extent of CHW Involvement: Implemented everything</p> <p>Specific Component Implemented by CHW: all components</p>	<p>Eligibility Criteria: self-identified Vietnamese women age 21 to 70 who were non-adherent to Pap test guidelines and had not been diagnosed with cervical cancer</p> <p>Sample Size: 1488</p> <p>Attrition: 4.8%</p> <p>Demographics: <i>Age:</i> majority over 40 years <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Vietnamese <i>Employment:</i> 61.7% employed <i>Income:</i> NR <i>Education:</i> 31.9% <HS, 61.5% HS, 6.7% >HS <i>Insurance:</i> NR <i>Established source of care:</i> NR <i>Baseline screening of intervention group:</i> 0%</p>	<p>Outcome Measure: completed Pap test</p> <p>How Ascertained: self-reported with medical records validation</p> <p>Follow-up Time: 12 months</p> <p>Results: Absolute effectiveness, CHW alone:</p> <table border="1" data-bbox="1394 613 1953 760"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>61.1%</td> <td>1.6%</td> </tr> <tr> <td>Change</td> <td>+60.1pct pts</td> <td>+1.6pct pts</td> </tr> <tr> <td>Difference</td> <td>+58.5pct pts</td> <td></td> </tr> </tbody> </table>		Intervention	Control	Pre	0%	0%	Post	61.1%	1.6%	Change	+60.1pct pts	+1.6pct pts	Difference	+58.5pct pts	
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Study	Intervention Characteristics	Intervention Deliverer	Population	Results															
	<p>RSB, transportation: transportation assistance</p> <p><i>Control arm:</i> received information for general health issues including mention of routine health exam</p> <p>Intervention Intensity: NR</p> <p>Targeted or Tailored: targeted to Vietnamese women</p>	<p>Methods for Interaction with Participates: both</p>																	
<p>Author, Year: Mock et al; 2007</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: Santa Clara County, CA</p> <p>Setting: urban community</p> <p>Intervention Duration: 3 to 4 months</p> <p>Intervention Details: Type of cancer addressed: CC</p> <p><i>Intervention arm: GE + RSB, appointment scheduling + MM + SM</i></p> <p>GE: two 90-minute sessions for 3 to 5 women included 15-20 minutes presentation about cervical cancer and Pap testing</p> <p>RSB, appointment scheduling: lay health workers helped with scheduling appointments</p> <p>MM: 15 ads distributed through Vietnamese</p>	<p>Training: two 3-hour sessions covering procedures and approaches to outreach</p> <p>Supervision: NR</p> <p>Matching to Population: matched on ethnicity</p> <p>Educational Background: NR</p> <p>Payment: \$1,500 per CHW</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Care coordination, case management, and system</p>	<p>Eligibility Criteria: Vietnamese-American women aged 18 or older who lived in Santa Clara County</p> <p>Sample Size: 968</p> <p>Attrition: 3.7%</p> <p>Demographics: <i>Mean age:</i> 45.9 years <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Vietnamese <i>Employment:</i> 26.5% employed <i>Income:</i> NR <i>Education:</i> 56.1% <12 years <i>Insurance:</i> NR <i>Established source of care:</i> NR <i>Baseline screening of intervention group:</i> 45.7%</p>	<p>Outcome Measure: up-to-date with Pap test</p> <p>How Ascertained: self-reported</p> <p>Follow-up Time: immediately following intervention</p> <p>Results:</p> <p>Incremental effectiveness, CHW alone:</p> <table border="1" data-bbox="1409 992 1936 1138"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>45.7%</td> <td>50.9%</td> </tr> <tr> <td>Post</td> <td>67.3%</td> <td>55.7%</td> </tr> <tr> <td>Change</td> <td>+21.6pct pts</td> <td>+4.8pct pts</td> </tr> <tr> <td>Difference</td> <td>+16.8pct pts</td> <td></td> </tr> </tbody> </table>		Intervention	Control	Pre	45.7%	50.9%	Post	67.3%	55.7%	Change	+21.6pct pts	+4.8pct pts	Difference	+16.8pct pts	
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Study	Intervention Characteristics	Intervention Deliverer	Population	Results																											
	<p>language TV, radio and newspapers SM: Vietnamese-language booklets, silk roses with reminder cards, posters, and reminder calendars were distributed by lay health workers during outreach</p> <p><i>Control arm: SM + MM (see above)</i></p> <p>Intervention Intensity: 2 sessions of 90 to 120 minutes plus calls to participants</p> <p>Targeted or Tailored: targeted to Vietnamese women</p>	<p>navigation; Providing coaching and social support; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented major part of intervention</p> <p>Specific Component Implemented by CHW: GE, RSB, appointment scheduling</p> <p>Methods for Interaction with Participates: both</p>																													
<p>Author, Year: Navarro et al; 1998</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: San Diego County, CA</p> <p>Setting: urban community</p> <p>Intervention Duration: 3 months</p> <p>Intervention Details: Type of cancer addressed: BC, CC</p> <p><i>Intervention arm: GE</i> GE: consejeras led small-group sessions using culturally appropriate educational materials printed in English and Spanish; sessions included empowerment strategies,</p>	<p>Training: trained following the consejera manual specifically designed to guide weekly educational sessions</p> <p>Supervision: monthly meetings to identify potential problems, clarify questions, and allow consejeras to learn from each other’s experiences</p> <p>Matching to Population: recruited from community in which they serve</p> <p>Educational Background: NR</p>	<p>Eligibility Criteria: consejeras recruited women from their social networks</p> <p>Sample Size: 512</p> <p>Attrition: 28.7%</p> <p>Demographics: <i>Mean age:</i> 34 years <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Hispanic <i>Employment:</i> 12.9% employed <i>Median income:</i> 12.7% <\$5K, 57.6% \$5-15K</p>	<p>Outcome Measure: MAM within past year for women 40 and older; Pap test within past year for women 18 and older</p> <p>How Ascertained: self-reported</p> <p>Follow-up Time: 0 to 3 months</p> <p>Results: Absolute effectiveness, CHW alone:</p> <table border="0"> <tr> <td colspan="3">Up-to-date with MAM:</td> </tr> <tr> <td></td> <td>Intervention</td> <td>Control</td> </tr> <tr> <td>Pre</td> <td>30.4%</td> <td>24.6%</td> </tr> <tr> <td>Post</td> <td>56.4%</td> <td>43.6%</td> </tr> <tr> <td>Change</td> <td>+26.0pct pts</td> <td>+19.0pct pts</td> </tr> <tr> <td>Difference</td> <td>+7.0pct pts</td> <td></td> </tr> <tr> <td colspan="3">Up-to-date with Pap test:</td> </tr> <tr> <td></td> <td>Intervention</td> <td>Control</td> </tr> <tr> <td>Pre</td> <td>46.7%</td> <td>51.6%</td> </tr> </table>	Up-to-date with MAM:				Intervention	Control	Pre	30.4%	24.6%	Post	56.4%	43.6%	Change	+26.0pct pts	+19.0pct pts	Difference	+7.0pct pts		Up-to-date with Pap test:				Intervention	Control	Pre	46.7%	51.6%
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Interventions Engaging Community Health Workers to Increase Cervical Cancer Screening – Summary Evidence Table

Study	Intervention Characteristics	Intervention Deliverer	Population	Results												
	<p>and social support; child care was provided during all sessions</p> <p><i>Control arm:</i> participated in equally engaging program entitled “Community Living Skills”</p> <p>Intervention Intensity: 12 in-person 90-minute sessions</p> <p>Targeted or Tailored: targeted to Hispanic women</p>	<p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Providing coaching and social support; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented everything</p> <p>Specific Component Implemented by CHW: all components</p> <p>Methods for Interaction with Participates: face-to-face</p>	<p><i>Education:</i> 80.3% < 12 years</p> <p><i>Insurance:</i> 37.9% insured</p> <p><i>Established source of care:</i> 57.6% have regular health care provider</p> <p><i>Baseline screening of intervention group:</i> 30.4% mammogram; 46.7% Pap test</p>	<p>Post 65.3% 61.1%</p> <p>Change +18.6pct pts +6.5pct pts</p> <p>Difference +9.1pct pts</p>												
<p>Author, Year: Nguyen et al; 2006</p> <p>Study Design: Pre-post w/ comparison</p> <p>Suitability of Design: Greatest</p>	<p>Location: Santa Clara, CA and Harris County, TX</p> <p>Setting: urban community and clinic</p> <p>Intervention Duration:</p> <p>Intervention Details: Type of cancer addressed: CC</p>	<p>Training: NR</p> <p>Supervision: NR</p> <p>Matching to Population: recruited from local communities</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed:</p>	<p>Eligibility Criteria: females ≥ 18 years, resident in either county, self-identified as Vietnamese</p> <p>Sample Size: 1566</p> <p>Attrition: N/A</p> <p>Demographics: <i>Mean age:</i> 45 <i>Gender:</i> 100% female</p>	<p>Outcome Measure: Pap screening at follow-up</p> <p>How Ascertained: self-report</p> <p>Follow-up Time: 0 months</p> <p>Results: Absolute effectiveness, CHW in a team: Up-to-date with Pap:</p> <table border="0"> <tr> <td></td> <td style="text-align: center;">Intervention</td> <td style="text-align: center;">Control</td> </tr> <tr> <td>Pre</td> <td style="text-align: center;">484/746=64.9%</td> <td style="text-align: center;">425/718=59.2%</td> </tr> <tr> <td>Post</td> <td style="text-align: center;">673/956=70.4%</td> <td style="text-align: center;">496/935=53.1%</td> </tr> <tr> <td>Change</td> <td style="text-align: center;">+5.5pct pts</td> <td style="text-align: center;">-6.1pct pts</td> </tr> </table>		Intervention	Control	Pre	484/746=64.9%	425/718=59.2%	Post	673/956=70.4%	496/935=53.1%	Change	+5.5pct pts	-6.1pct pts
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Study	Intervention Characteristics	Intervention Deliverer	Population	Results
<p>Quality of Execution: Fair</p>	<p><i>Intervention arm: GE + CR + ROPC + RSB, alternate site + MM + SM</i> GE: over 3 to 4 months, each LHW conducted 2 small group sessions to educate group about pap testing CR: cards on 1-year anniversary to remind women to obtain repeat pap testing ROPC: federal program providing free screening for low-income women RSB, alternate site: weekly clinic staffed by Vietnamese female physician to provide pap tests at discounted rates MM: media campaign ran for 27 months from 2002 to 2004 through Vietnamese-language television, radio, and print media SM: educational materials distributed</p> <p><i>Control arm: usual care</i></p> <p>Intervention Intensity: ongoing intervention with intense media campaign but limited in-person interaction with CHW</p> <p>Targeted or Tailored: targeted to Vietnamese American women</p>	<p>Providing culturally appropriate health education and information; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented minor part of intervention</p> <p>Specific Component Implemented by CHW: GE</p> <p>Methods for Interaction with Participates: face-to-face</p>	<p><i>Race/Ethnicity:</i> 100% Vietnamese American <i>Employment:</i> 58.5% employed <i>Income:</i> 24.5% below poverty level <i>Education:</i> 42.0% < high school <i>Insurance:</i> 64.1% insured <i>Established source of care:</i> 93% with regular care <i>Baseline screening of intervention group:</i> 64.9%</p>	<p>Difference +11.6pct pts</p>

Study	Intervention Characteristics	Intervention Deliverer	Population	Results
<p>Author, Year: Nuno et al; 2011</p> <p>Study Design: Pre-post only; RCT by design, but data could only be used as pre-post</p> <p>Suitability of Design: Least</p> <p>Quality of Execution: Fair</p>	<p>Location: Yuma County, AZ (US-Mexican border community)</p> <p>Setting: rural community</p> <p>Intervention Duration: 1 year</p> <p>Intervention Details: Type of cancer addressed: BC, CC</p> <p><i>Intervention arm: GE</i> GE: 2hr group session presented by a trained promotora; prizes in the form of patient education materials (shower cards, calendars, etc.) were distributed as incentives</p> <p><i>Control arm:</i> used baseline for the intervention arm</p> <p>Intervention Intensity: 1 2-hr GE session + 1 refresher class 1 year later</p> <p>Targeted or Tailored: targeted to Hispanic community at the US-Mexican border; small group discussion meant to be interactive and address individual barriers</p>	<p>Training: 5 training modules were conducted in Spanish (per trainee preference) by study coordinator to train 4 promotoras; each training module was approximately 2 h in length</p> <p>Supervision: supervised by experience field staff to assure the fidelity and completeness of the structured scripted interviews and the intervention</p> <p>Matching to Population: lived in communities</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Providing coaching and social support; Building individual and community capacity</p> <p>Extent of CHW Involvement: Implemented everything</p>	<p>Eligibility Criteria: Hispanic women 50 years of age or older, residents in a rural county along the U.S.-Mexico border, selected from census tracts with majority Hispanic population</p> <p>Sample Size: 371</p> <p>Attrition: 2.6%</p> <p>Demographics: <i>Mean age:</i> 60.3 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Hispanic <i>Employment:</i> 11% employed <i>Income:</i> \$914 monthly <i>Education:</i> 53% < elementary <i>Insurance:</i> 82% insured <i>Established source of care:</i> 92% has regular source of medical care; 86% visited health care professional within past year <i>Baseline screening of intervention group:</i> 48%</p>	<p>Outcome Measure: MAM screening within 1 year at follow-up Pap test within 2 years at follow-up</p> <p>How Ascertained: self-reported; confirmed by medical records for 65% and 46% of MAM and Pap smears</p> <p>Follow-up Time: all follow-up assessment was completed by Dec 2006; but unsure the duration from end of education to assessment</p> <p>Results: Absolute effectiveness, CHW alone Up-to-date with MAM: Pre: 48% Post: 73% Change: +25pct pts</p> <p>Up-to-date with Pap test: Pre: 52% Post: 67% Change: +15pct pts</p>

Study	Intervention Characteristics	Intervention Deliverer	Population	Results
		<p>Specific Component Implemented by CHW: all components</p> <p>Methods for Interaction with Participates: face-to-face</p>		
<p>Author, Year: O'Brien et al; 2010</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: South Philadelphia, PA</p> <p>Setting: urban community</p> <p>Intervention Duration: several rounds of intervention delivered, 4 months in total; for each participant, 6 hours of materials</p> <p>Intervention Details: Type of cancer addressed: CC</p> <p><i>Intervention arm: GE</i> GE: 2 3hr workshops with 4 to 10 women in each group, led by 2 promotoras; a copy of the curriculum, plus other program materials including pamphlets from the ACS and HHS</p> <p><i>Control arm: usual care; received intervention after completion of follow-up evaluation</i></p> <p>Intervention Intensity: each session 3 hours long, 2 sessions, delivered in</p>	<p>Training: authors stated would try but no detail provided</p> <p>Supervision: principal investigator and study coordinator randomly observed 20% of the workshop sessions</p> <p>Matching to Population: yes</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Providing culturally appropriate health education and information; Building individual and community capacity</p> <p>Extent of CHW Involvement: Implemented everything</p> <p>Specific Component Implemented by CHW: all components</p>	<p>Eligibility Criteria: Hispanic women aged 18 to 65; recruitment took place at local faith-based and community-based organizations, the Philadelphia Mexican Consulate, and the participants' homes</p> <p>Sample Size: 120</p> <p>Attrition: 42%</p> <p>Demographics: <i>Mean age:</i> 32 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Hispanic <i>Employment:</i> 41% employed <i>Income:</i> NR <i>Education:</i> 43% <8 years of education, 43% with 8-12 years of education, 13% >12 years of education <i>Insurance:</i> 8% insured <i>Established source of care:</i> NR <i>Baseline screening of intervention group:</i> N/A</p>	<p>Outcome Measure: Pap receipt within the follow-up period</p> <p>How Ascertained: self-report verified by chart review for 83% of the participants</p> <p>Follow-up Time: 6 months</p> <p>Results: Absolute effectiveness, CHW alone: Up-to-date with Pap test: Intervention, post: 36.7% Control, post: 21.7% Difference: +15.0pct pts</p>

Study	Intervention Characteristics	Intervention Deliverer	Population	Results																														
	several rounds over a 4-month period Targeted or Tailored: targeted to Hispanic females	Methods for Interaction with Participates: face-to-face																																
Author, Year: Paskett et al; 1999 Study Design: RCT Suitability of Design: Greatest Quality of Execution: Fair	Location: North Carolina Setting: urban community and clinic Intervention Duration: 2.5 years Intervention Details: Type of cancer addressed: BC, CC <i>Intervention arm: GE + SM + MM + OE + PR</i> GE: “Women’s Fest” was a free party that included food, educational classes, prizes, and information booths; monthly classes in each housing community conducted by a lay health educator SM: educational brochures; targeted mailings and door knob hangers with invitations to events; poster and literature distribution in clinic waiting rooms. MM: public bus ads, newspaper and radio ads on African-American media. OE: educational sessions in women’s homes	Training: NR Supervision: project manager monitored delivery of intervention components through weekly reports, observations of classes, and process evaluation measures Matching to Population: NR Educational Background: NR Payment: NR Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Providing coaching and social support; Building individual and community capacity Extent of CHW Involvement:	Eligibility Criteria: women age 40 and older, residing in low-income housing communities Sample Size: 248 Attrition: N/A Demographics: <i>Age:</i> 43.5% 40-64, 56.5% 65+ <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% African American <i>Employment:</i> 25% employed <i>Income:</i> NR <i>Education:</i> 39.9% ≤ 8 TH grade <i>Insurance:</i> NR <i>Established source of care:</i> 99% of intervention group reported regular examinations at baseline compared to 90% of control group <i>Baseline screening of intervention group:</i> 31% MAM, 73% PAP	Outcome Measure: compliance with MAM and Pap test How Ascertained: self-report in in-person survey Follow-up Time: 0 month Results: Absolute effectiveness, CHW in a team: Up-to-date with Pap test: <table border="1" data-bbox="1394 760 1950 906"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>73%</td> <td>67%</td> </tr> <tr> <td>Post</td> <td>87%</td> <td>60%</td> </tr> <tr> <td>Change</td> <td>+14pct pts</td> <td>-7pct pts</td> </tr> <tr> <td>Difference</td> <td colspan="2">+21pct pts (p=0.004)</td> </tr> </tbody> </table> Up-to-date with MAM <table border="1" data-bbox="1394 963 1950 1109"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>31%</td> <td>33%</td> </tr> <tr> <td>Post</td> <td>56%</td> <td>40%</td> </tr> <tr> <td>Change</td> <td>+25pct pts</td> <td>+7pct pts</td> </tr> <tr> <td>Difference</td> <td colspan="2">+18pct pts (p=0.04)</td> </tr> </tbody> </table>		Intervention	Control	Pre	73%	67%	Post	87%	60%	Change	+14pct pts	-7pct pts	Difference	+21pct pts (p=0.004)			Intervention	Control	Pre	31%	33%	Post	56%	40%	Change	+25pct pts	+7pct pts	Difference	+18pct pts (p=0.04)	
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Study	Intervention Characteristics	Intervention Deliverer	Population	Results															
	<p>PR: visual prompts in exam rooms (“Have you screened today?”)</p> <p><i>Control arm:</i> control community received successful interventions after follow-up surveys were completed</p> <p>Intervention Intensity: does not report on how many GE/OE sessions were provided but intervention was multi-component and included community-based and clinic-based components</p> <p>Targeted or Tailored: targeted to low-income, predominantly African American community</p>	<p>Implemented minor part of intervention</p> <p>Specific Component Implemented by CHW: GE, maybe OE</p> <p>Methods for Interaction with Participates: face-to-face</p>																	
<p>Author, Year: Paskett et al; 2011</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: Appalachian, Ohio</p> <p>Setting: rural community and clinic</p> <p>Intervention Duration: 10 months</p> <p>Intervention Details: Type of cancer addressed: CC</p> <p><i>Intervention arm: OE + SM</i> OE: 2, 45-60 minutes in-person visits and 2 telephone calls; provided information to increase</p>	<p>Training: yes, details not provided</p> <p>Supervision: observed by study coordinators in the field</p> <p>Matching to Population: women were recruited from local communities between 40-50 years old</p> <p>Educational Background: no post-secondary education</p> <p>Payment: NR</p>	<p>Eligibility Criteria: females 18 years or older, not pregnant, resident of Ohio Appalachia; seen by a physician in clinic from which they were selected within previous 2 years, no history of invasive CC or hysterectomy; recruited from 14 separate health clinics in Ohio Appalachia</p> <p>Sample Size: 280</p> <p>Attrition: 3.6%</p>	<p>Outcome Measure: pap test</p> <p>How Ascertained: medical records</p> <p>Follow-up Time: 2 months</p> <p>Results:</p> <p>Absolute effectiveness, CHW alone:</p> <table border="0"> <tr> <td></td> <td style="text-align: center;">Intervention</td> <td style="text-align: center;">Control</td> </tr> <tr> <td>Pre</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Post</td> <td style="text-align: center;">71/139=51.1%</td> <td style="text-align: center;">55/131=42.0%</td> </tr> <tr> <td>Change</td> <td style="text-align: center;">+51.1pct pts</td> <td style="text-align: center;">+42.0pct pts</td> </tr> <tr> <td>Difference</td> <td colspan="2" style="text-align: center;">+9.1pct pts</td> </tr> </table>		Intervention	Control	Pre	0%	0%	Post	71/139=51.1%	55/131=42.0%	Change	+51.1pct pts	+42.0pct pts	Difference	+9.1pct pts	
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Study	Intervention Characteristics	Intervention Deliverer	Population	Results
	<p>knowledge about cervical cancer, pap test screening, and importance of follow-up after an abnormal test; individualized counseling for reported barriers; telephone calls occurred 1 and 5 months later; second in-person visit occurred 10 months after first and LHA provided additional barriers counseling and encouraged participant to continue to be proactive about health care SM: 4 postcards mailed 2, 3, 6, and 7 months after initial visit</p> <p><i>Control arm:</i> usual care; received a letter from physician and NCI brochure encouraging them to have a pap test</p> <p>Intervention Intensity: 2 in-person visits + 2 phone calls + 4 postcards</p> <p>Targeted or Tailored: targeted to rural Appalachian population with tailored counseling</p>	<p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Providing coaching and social support; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented everything</p> <p>Specific Component Implemented by CHW: all components</p> <p>Methods for Interaction with Participates: both</p>	<p>Demographics: <i>Mean age:</i> 43.7 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 95.4% white <i>Employment:</i> 59.3% employed, 15.7% unemployed or disabled <i>Income:</i> 37.4% <\$20K, 37.4% \$20-50K, 25.2% ≥\$50K <i>Education:</i> 7.1% <high school, 40.7% high school, 52.1% > high school <i>Insurance:</i> 82.1% insured <i>Established source of care:</i> yes, all seen by physician in previous 2 years <i>Baseline screening of intervention group:</i> 0%</p>	
<p>Author, Year: Studts et al; 2012</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p>	<p>Location: Appalachia, Kentucky</p> <p>Setting: rural community (churches)</p> <p>Intervention Duration: NR</p> <p>Intervention Details:</p>	<p>Training: trained by the study team about CC, Pap tests, local resources, and screening determinants; 3 training sessions on human subject's protection, home visit procedures, and addressing participants' identified barriers</p>	<p>Eligibility Criteria: 40–64 years old, speaking English, and being outside American Cancer Society guidelines at time for CC screening</p> <p>Sample Size: 345</p>	<p>Outcome Measure: Pap test at follow-up</p> <p>How Ascertained: self-report</p> <p>Follow-up Time: 3 months</p> <p>Results: Incremental effectiveness, CHW added: Up-to-date with Pap: Intervention Control</p>

Study	Intervention Characteristics	Intervention Deliverer	Population	Results
<p>Quality of Execution: Fair</p>	<p>Type of cancer addressed: CC</p> <p><i>Intervention arm: GE + OE</i> GE: all participants received an educational lunch program at the church, at which local project staff delivered information on cervical cancer screening and prevention OE: home visits were designed to last approximately 2 hours. The LHA provided information about cervical cancer and Pap tests, then addressed each of the participant's identified barriers to screening</p> <p><i>Control arm: GE (same as above)</i></p> <p>Intervention Intensity: 1 group session + 1 home visit</p> <p>Targeted or Tailored: tailored content</p>	<p>Supervision: CHWs received feedback from the project team throughout the study and were retrained as necessary</p> <p>Matching to Population: recruited from local communities</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Providing coaching and social support; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented major part of intervention</p> <p>Specific Component Implemented by CHW: OE</p> <p>Methods for Interaction with Participates: face-to-face</p>	<p>Attrition: 2.9%</p> <p>Demographics: <i>Age:</i> 20.0% 40-44, 20.0% 45-49, 23.8% 50-54, 22.9% 55-59, 13.3% 60-69 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 95.1% white; 4.6% African American <i>Employment:</i> 49.9% employed <i>Income:</i> 24.6% <\$10K, 30.7% \$10-30K, 19.1% >\$30K, 25.5% NR <i>Education:</i> 25.7% <high school, 39.5% high school grad/GED, 23.1% some college, 11.7% ≥college grad <i>Insurance:</i> 40.3% private, 27.5% public, 32.2% none <i>Established source of care:</i> NR <i>Baseline screening of intervention group:</i> 0%</p>	<p>Pre 0% 0%</p> <p>Post 31/176=17.6% 19/169=11.2%</p> <p>Change +17.6pct pts +11.2pct pts</p> <p>Difference +6.4pct pts</p>

Study	Intervention Characteristics	Intervention Deliverer	Population	Results																																	
<p>Author, Year: Sung et al; 1997</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: Atlanta, GA</p> <p>Setting: urban community</p> <p>Intervention Duration: 11 months</p> <p>Intervention Details: Type of cancer addressed: BC, CC</p> <p><i>Intervention arm: OE</i> OE: two 90 min educational sessions held 1 month apart at the home of subject; booster session was scheduled about 2 months after 2nd session for purpose of review and reinforcement; included the interpretation, referral, and follow-up concerning any abnormal Pap smear or mammogram results</p> <p><i>Control arm:</i> members of control group received educational materials on cancer screening after the completion of the follow-up interview</p> <p>Intervention Intensity: 2 sessions</p> <p>Targeted or Tailored: targeted to African American females with tailored information</p>	<p>Training: CHWs were provided with 10 weeks of training in interviewing and health education topics at the Morehouse School of Medicine</p> <p>Supervision: biweekly meetings were held to ensure that CHWs were conducting their tasks in a similar manner and to address new training issues and topics</p> <p>Matching to Population: recruited from local communities</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Care coordination, case management, and system navigation; Providing coaching and social support; Building individual and community capacity; Conducting outreach</p>	<p>Eligibility Criteria: black women ≥18, no history of cancer, hysterectomy, or breast surgery; recruitment efforts focused on women ≥35 who are less likely to have been screened and more likely to develop cancer</p> <p>Sample Size: 321</p> <p>Attrition: 39.3%</p> <p>Demographics: <i>Age:</i> 13.4% 18-34, 45.2% 35-44, 23.4% 45-59, 18.1% 60-97 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% African American <i>Employment:</i> 51.1% employed <i>Income:</i> 46.7% ≤\$15,000, 31.8% >\$15,000, 21.5% NR <i>Education:</i> 32.4% ≤11 years of education, 28.0% 12 years of education, 39.6% >12 years of education <i>Insurance:</i> NR <i>Established source of care:</i> 17.1% recruited from West End Medical Center <i>Baseline screening of intervention group:</i></p>	<p>Outcome Measure: MAM and Pap at follow-up</p> <p>How Ascertained: self-report follow-up by medical records</p> <p>Follow-up Time: 6 months</p> <p>Results: Absolute effectiveness, CHW alone:</p> <table border="1"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Up-to-date with MAM</td> <td></td> <td></td> </tr> <tr> <td>Pre</td> <td>35.5%</td> <td>34.3%</td> </tr> <tr> <td>Post</td> <td>50.4%</td> <td>39.4%</td> </tr> <tr> <td>Change</td> <td>+14.9pct pts</td> <td>+5.1pct pts</td> </tr> <tr> <td>Difference</td> <td>+9.8pct pts</td> <td></td> </tr> <tr> <td>Up-to-date with Pap test:</td> <td></td> <td></td> </tr> <tr> <td>Pre</td> <td>50.3%</td> <td>51.9%</td> </tr> <tr> <td>Post</td> <td>58.7%</td> <td>62.1%</td> </tr> <tr> <td>Change</td> <td>+8.4pct pts</td> <td>+10.2pct pts</td> </tr> <tr> <td>Difference</td> <td>-1.8pct pts</td> <td></td> </tr> </tbody> </table>		Intervention	Control	Up-to-date with MAM			Pre	35.5%	34.3%	Post	50.4%	39.4%	Change	+14.9pct pts	+5.1pct pts	Difference	+9.8pct pts		Up-to-date with Pap test:			Pre	50.3%	51.9%	Post	58.7%	62.1%	Change	+8.4pct pts	+10.2pct pts	Difference	-1.8pct pts	
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		<p>Extent of CHW Involvement: Implemented everything</p> <p>Specific Component Implemented by CHW: all components</p> <p>Methods for Interaction with Participates: face-to-face</p>	35.5% MAM, 50.3% Pap																
<p>Author, Year: Taylor et al; 2002a</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: Seattle, Washington, US and Vancouver, British Columbia, Canada.</p> <p>Setting: urban community</p> <p>Intervention Duration: 1 month</p> <p>Intervention Details: Type of cancer addressed: CC</p> <p><i>Intervention arm: CR + OE + RSB, appointment scheduling, transportation, translation</i> CR: received Chinese and English versions of an introductory letter OE: within 3 weeks, visited at home by Chinese female outreach worker; women who refused home visit were offered educational materials; 10 attempts made to contact each woman; culturally and linguistically appropriate</p>	<p>Training: NR</p> <p>Supervision: NR</p> <p>Matching to Population: matched on race and language</p> <p>Educational background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Care coordination, case management, and system navigation; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement:</p>	<p>Eligibility Criteria: women who completed the baseline survey, 20–69 years of age, spoke Cantonese, Mandarin, or English; had no history of invasive cervical cancer, had not received a hysterectomy, and were under utilizers of cervical cancer screening</p> <p>Sample Size: 321</p> <p>Attrition: 18.1%</p> <p>Demographics: <i>Age:</i> majority 45 or older <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Chinese <i>Employment:</i> NR <i>Income:</i> NR <i>Education:</i> 44% high school graduates <i>Insurance:</i> universal coverage</p>	<p>Outcome Measure: Pap at follow-up</p> <p>How Ascertained: self-report attempted to verify with medical records</p> <p>Follow-up Time: 6 months</p> <p>Results: Absolute effectiveness, CHW in a team: Up-to-date with Pap test:</p> <table border="1" data-bbox="1409 873 1940 1019"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>21/161=13.0%</td> <td>17/160=10.6%</td> </tr> <tr> <td>Post</td> <td>123/161=76.4%</td> <td>70/160=43.8%</td> </tr> <tr> <td>Change</td> <td>+63.4pct pts</td> <td>+33.1pct pts</td> </tr> <tr> <td>Difference</td> <td colspan="2">+30.2pct pts</td> </tr> </tbody> </table>		Intervention	Control	Pre	21/161=13.0%	17/160=10.6%	Post	123/161=76.4%	70/160=43.8%	Change	+63.4pct pts	+33.1pct pts	Difference	+30.2pct pts	
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	<p>video, motivational pamphlet and fact sheets RSB, appointment scheduling: assistance provided RSB, translation: medical interpreter services during clinic visits RSB, transportation: assistance provided (i.e., taxicab transportation to and from clinic appointments or 2 bus passes)</p> <p><i>Control arm:</i> usual care</p> <p>Intervention Intensity: 1 session</p> <p>Targeted or Tailored: targeted to Chinese American women with tailored content</p>	<p>Implemented major part of intervention</p> <p>Specific Component Implemented by CHW: OE, RSB, appointment scheduling, transportation, translation</p> <p>Methods for Interaction with Participates: face-to-face and remote</p>	<p><i>Established source of care:</i> NR <i>Baseline screening of intervention group:</i> 13.0%</p>																
<p>Author, Year: Taylor et al; 2002b</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: Seattle, WA Setting: urban community</p> <p>Intervention Duration: NR</p> <p>Intervention Details: Type of cancer addressed: CC</p> <p><i>Intervention arm: SM + OE(SM) + GE(SM) + RSB, appointment scheduling, reducing admin barriers, transportation</i> SM: introductory mailing</p>	<p>Training: yes, but no details provided</p> <p>Supervision: NR</p> <p>Matching to Population: bicultural and bilingual females</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities,</p>	<p>Eligibility Criteria: women participated in survey of Cambodian American women aged 18 and older that was conducted in the Seattle areas with high concentrations of Cambodian Americans; no history of invasive cervical cancer and/or previous hysterectomy; no previous participation in an early qualitative study about cervical cancer; must live in close proximity</p>	<p>Outcome Measure: Pap test at follow-up</p> <p>How Ascertained: self-reported with medical record verification</p> <p>Follow-up Time: 12 months</p> <p>Results: Absolute effectiveness, CHW in a team: Up-to-date with Pap test:</p> <table border="1" data-bbox="1394 1250 1955 1396"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>64/144=44.4%</td> <td>74/145=51.0%</td> </tr> <tr> <td>Post</td> <td>87/144=60.4%</td> <td>90/145=62.1%</td> </tr> <tr> <td>Change</td> <td>+16.0pct pts</td> <td>+11.1pct pts</td> </tr> <tr> <td>Difference</td> <td>+4.9pct pts</td> <td></td> </tr> </tbody> </table>		Intervention	Control	Pre	64/144=44.4%	74/145=51.0%	Post	87/144=60.4%	90/145=62.1%	Change	+16.0pct pts	+11.1pct pts	Difference	+4.9pct pts	
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	<p>OE: home visits between 1 and 4 weeks after introductory mailing; bicultural, bilingual female outreach worker visited women at home and conducted educational visit using visual aids and provided tailored responses to each woman’s individual barriers</p> <p>GE: meetings at local community centers; outreach workers made short presentations about cervical cancer and Pap testing using visual aids</p> <p>RSB, appointment scheduling: provided clinic referral and assistance with appointment scheduling</p> <p>RSB, reducing admin barriers: medical interpretation during clinic visits</p> <p>RSB, transportation: assistance such as taxicab transportation to and from clinic appointments or 2 bus passes</p> <p><i>Control arm: usual care</i></p> <p>Intervention Intensity: 1 home visit + 1 group session</p> <p>Targeted or Tailored: targeted to Cambodian American women with tailored content</p>	<p>and health and social service systems; Providing culturally appropriate health education and information; Care coordination, case management, and system navigation; Providing coaching and social support; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented major part of intervention</p> <p>Specific Component Implemented by CHW: OE, GE, RSB appointment scheduling, reducing admin barriers, transportation</p> <p>Methods for Interaction with Participates: face-to-face</p>	<p>to other respondents in order to be assigned to a neighborhood group</p> <p>Sample Size: 289</p> <p>Attrition: 22%</p> <p>Demographics: <i>Age:</i> 33% 18-39, 47% 40-59, 19% 60+ <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Cambodian American <i>Employment:</i> NR <i>Income:</i> 61% public housing <i>Education:</i> 54% had any formal education <i>Insurance:</i> NR <i>Established source of care:</i> NR, but majority in area received health care at county hospital or community clinic <i>Baseline screening of intervention group:</i> 44.4%</p>	

Study	Intervention Characteristics	Intervention Deliverer	Population	Results															
<p>Author, Year: Taylor et al; 2010</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: Seattle, WA</p> <p>Setting: urban community</p> <p>Intervention Duration: 1 month</p> <p>Intervention Details: Type of cancer addressed: CC</p> <p><i>Intervention arm: OE</i> OE: CHW made up to 11 attempts to complete a home visit; women refused a home visit were offered educational materials; if CHW was unable to contact a participant, educational materials mailed to home During home visit, CHW watched Vietnamese-language DVD with participant; follow-up calls with participants 1 month after home visit completion All study materials translated into Vietnamese by standard methods; culturally and linguistically appropriate materials developed for intervention</p> <p><i>Control arm:</i> a mailing of physical activity print materials, pedometer with instructions for use</p> <p>Intervention Intensity: 1 home visit</p>	<p>Training: trained to act as role models, given social support, and provide tailored responses to each woman’s individual barriers to Pap testing</p> <p>Supervision: NR</p> <p>Matching to Population: fluently bilingual ethnic Vietnamese women who had grown up in Vietnam and were conversant with Vietnamese culture, married with children to ease the discussion of reproductive concerns</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Care coordination, case management, and system navigation; Building individual and community capacity</p> <p>Extent of CHW Involvement: Implemented everything</p>	<p>Eligibility Criteria: women participated in a community-based survey, of Vietnamese descent, aged 20 to 79 years, able to speak Vietnamese or English, not up-to-date on cervical cancer screening</p> <p>Sample Size: 234</p> <p>Attrition: 26%</p> <p>Demographics: <i>Age:</i> 44.9% <50, 54.3% ≥50 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Asian <i>Employment:</i> NR <i>Income:</i> NR <i>Education:</i> 52.6% <12 years of education, 47.4% ≥12 years of education <i>Insurance:</i> NR <i>Established source of care:</i> NR <i>Baseline screening of intervention group:</i> 0%</p>	<p>Outcome Measure: Pap test at follow-up</p> <p>How Ascertained: self-report and verified</p> <p>Follow-up Time: NR but within 6 months of randomization</p> <p>Results: Absolute effectiveness, CHW alone: Up-to-date with Pap test:</p> <table border="1"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>18/118=15.3%</td> <td>8/116=6.9%</td> </tr> <tr> <td>Change</td> <td>+15.3pct pts</td> <td>+6.9pct pts</td> </tr> <tr> <td>Difference</td> <td>+8.4pct pts</td> <td></td> </tr> </tbody> </table>		Intervention	Control	Pre	0%	0%	Post	18/118=15.3%	8/116=6.9%	Change	+15.3pct pts	+6.9pct pts	Difference	+8.4pct pts	
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Study	Intervention Characteristics	Intervention Deliverer	Population	Results															
	<p>Targeted or Tailored: targeted to Vietnamese American women with tailored content</p>	<p>Specific Component Implemented by CHW: all components</p> <p>Methods for Interaction with Participates: face-to-face and remote</p>																	
<p>Author, Year: Thompson et al; 2017</p> <p>Study Design: RCT</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Good</p>	<p>Location: Lower Yakima Valley, WA</p> <p>Setting: rural community</p> <p>Intervention Duration: 1 home visit and follow-up call 2 weeks</p> <p>Intervention Details: Type of cancer addressed: CC</p> <p><i>Intervention arm: OE + RSB, appointment scheduling + CR</i></p> <p>OE: promotora-led educational session in participant's home; watching video together, making a commitment to have a Pap test, and/or make an appointment for a Pap test; address relevant issues; provided a sheet of local resource</p> <p>RSB, appointment scheduling: during the OE session, promotora make an appointment for a Pap test if needed</p> <p>CR: women who were not ready to schedule a Pap test, promotora will call in 2</p>	<p>Training: initial training of 3 days; no other details</p> <p>Supervision: NR</p> <p>Matching to Population: recruited from community</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Care coordination, case management, and system navigation; Providing coaching and social support; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented everything</p>	<p>Eligibility Criteria: Latinas aged 21 to 64 who were non-adherent to Pap test screening guidelines, being seen by one of the federally qualified health center clinics in the past 5 years, not up-to-date, not having a prior hysterectomy</p> <p>Sample Size: 293</p> <p>Attrition: 10.2%</p> <p>Demographics: <i>Mean age:</i> 43.9 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Hispanic <i>Employment:</i> NR <i>Income:</i> NR <i>Education:</i> 66.6% <high school, 26.6% high school grad, 6.5% >high school <i>Insurance:</i> 24.9% currently insured, 55.6% previously insured, 17.4% never insured <i>Established source of care:</i> 100%, all seen by</p>	<p>Outcome Measure: Pap test at follow-up</p> <p>How Ascertained: medical records</p> <p>Follow-up Time: 6 months</p> <p>Results: Absolute effectiveness, CHW alone: Up-to-date with Pap test:</p> <table border="1" data-bbox="1394 727 1950 878"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>78/146=53.4%</td> <td>50/147=34.0%</td> </tr> <tr> <td>Change</td> <td>+54.3pct pts</td> <td>+34.0pct pts</td> </tr> <tr> <td>Difference</td> <td>+19.4pct pts</td> <td></td> </tr> </tbody> </table>		Intervention	Control	Pre	0%	0%	Post	78/146=53.4%	50/147=34.0%	Change	+54.3pct pts	+34.0pct pts	Difference	+19.4pct pts	
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Study	Intervention Characteristics	Intervention Deliverer	Population	Results															
	<p>weeks to review action steps, and assess readiness to schedule a test</p> <p><i>Control arm:</i> usual care</p> <p>Intervention Intensity: 1 home visit with follow-up call</p> <p>Targeted or Tailored: targeted to Latinas with tailor materials</p>	<p>Specific Component Implemented by CHW: all components</p> <p>Methods for Interaction with Participates: face-to-face and remote</p>	<p>one of the FQHC within past 5 years</p> <p><i>Baseline screening of intervention group:</i> 0%</p>																
<p>Author, Year: Wang et al; 2010</p> <p>Study Design: Pre-post w/ comparison</p> <p>Suitability of Design: Greatest</p> <p>Quality of Execution: Fair</p>	<p>Location: New York City, NY</p> <p>Setting: urban community</p> <p>Intervention Duration: 2 sessions</p> <p>Intervention Details: Type of cancer addressed: CC</p> <p><i>Intervention arm: GE + SM + RSB, appointment scheduling, translation, transportation</i></p> <p>GE: 2 small group education sessions conducted by trained Chinese CHWs to increase knowledge and enhance attitudes towards CC screening</p> <p>SM: handouts on CC and the Pap test and a Chinese-language video</p> <p>RSB, appointment scheduling: patient</p>	<p>Training: yes, but no detail provided</p> <p>Supervision: NR</p> <p>Matching to Population: matched on race</p> <p>Educational Background: NR</p> <p>Payment: NR</p> <p>Roles Performed: Cultural mediation among individuals, communities, and health and social service systems; Providing culturally appropriate health education and information; Care coordination, case management, and system navigation; Providing coaching and social support; Building individual and community capacity</p>	<p>Eligibility Criteria: Chinese women recruited from 4 Asian community-based organizations; each located in a Chinese community and serves predominantly low-income, uninsured, and recent immigrant population</p> <p>Exclusion criteria included <18 years of age, a current diagnosis of cervical cancer, and a Pap test within the past 12 months</p> <p>Sample Size: 134</p> <p>Attrition: 6.7%</p> <p>Demographics: <i>Mean age:</i> 54.6 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Chinese American <i>Employment:</i> NR</p>	<p>Outcome Measure: PAP test at follow-up</p> <p>How Ascertained: self-report and verified by records</p> <p>Follow-up Time: 12 months</p> <p>Results: Absolute effectiveness, CHW alone: Up-to-date for Pap test:</p> <table border="1" data-bbox="1394 925 1950 1071"> <thead> <tr> <th></th> <th>Intervention</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>Pre</td> <td>0%</td> <td>0%</td> </tr> <tr> <td>Post</td> <td>56/80=70.0%</td> <td>6/54=11.1%</td> </tr> <tr> <td>Change</td> <td>+70.0pct pts</td> <td>+11.1pct pts</td> </tr> <tr> <td>Difference</td> <td>+58.9pct pts</td> <td></td> </tr> </tbody> </table>		Intervention	Control	Pre	0%	0%	Post	56/80=70.0%	6/54=11.1%	Change	+70.0pct pts	+11.1pct pts	Difference	+58.9pct pts	
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Study	Intervention Characteristics	Intervention Deliverer	Population	Results
	<p>navigation assistance in arranging Pap test appointments RSB, translation: language translation services available upon request RSB, transportation: transportation assistance provided upon request</p> <p><i>Control arm:</i> health education sessions on general health and cancer education, including tobacco, nutrition, regular medical checkups, and cancer screening (e.g., cervical, breast, and colon-cancer screening); also written materials on general health and cancer screening</p> <p>Intervention Intensity: 2 sessions</p> <p>Targeted or Tailored: targeted Chinese Americans with tailored content</p>	<p>Extent of CHW Involvement: Implemented everything</p> <p>Specific Component Implemented by CHW: all components</p> <p>Methods for Interaction with Participates: face-to-face</p>	<p><i>Income:</i> NR <i>Education:</i> 40.0% < 11 years of education, 34.5% with 12 years of education, 25.6% 12+ years of education <i>Insurance:</i> 61.8% insured <i>Established source of care:</i> 55.1% had a regular doctor <i>Baseline screening of intervention group:</i> 0%</p>	
<p>Author, Year: White et al; 2012</p> <p>Study Design: Pre-post only</p> <p>Suitability of Design: Least</p>	<p>Location: Birmingham, AL</p> <p>Setting: urban community</p> <p>Intervention Duration: 1 session</p> <p>Intervention Details: Type of cancer addressed: BC, CC</p>	<p>Training: NR</p> <p>Supervision: NR</p> <p>Matching to Population: recruited from local communities</p> <p>Educational Background: NR</p> <p>Payment: NR</p>	<p>Eligibility Criteria: Latina in community recruited by CHWs from local churches and flyers in the community; local Spanish newspapers and a local Spanish radio station advertised events</p> <p>Sample Size: 782</p>	<p>Outcome Measure: PAP and MAM at follow-up</p> <p>How Ascertained: clinical records</p> <p>Follow-up Time: NR</p> <p>Results: Absolute effectiveness, CHW in a team: Up-to-date with Pap test: Pre: 39.6% Post: 52.4% Change: +12.9pct pts</p>

Study	Intervention Characteristics	Intervention Deliverer	Population	Results
<p>Quality of Execution: Fair</p>	<p><i>Intervention arm: GE + ROPC + RSB, appointment scheduling</i> GE: educational lunches in churches conducted on Saturdays; Spanish-speaking Latino physician was invited to give an educational talk, and a Latina breast cancer survivor provided her testimonial regarding the importance of cancer screening ROPC: Pap smears offered at low cost (\$25.00), and MAM provided at no cost to participants age 40 years or over RSB, appointment scheduling: women had opportunity to schedule pap or mam appointment during GE events</p> <p><i>Control arm: baseline</i></p> <p>Intervention Intensity: 1 session</p> <p>Targeted or Tailored: targeted to Latinas</p>	<p>Roles Performed: Care coordination, case management, and system navigation; Building individual and community capacity; Conducting outreach</p> <p>Extent of CHW Involvement: Implemented minor part of intervention</p> <p>Specific Component Implemented by CHW: RSB, appointment scheduling</p> <p>Methods for Interaction with Participates: face-to-face</p>	<p>Attrition: N/A</p> <p>Demographics: <i>Age:</i> 70.7% 19-39, 19.4% 40-49, 9.9% 50-88 <i>Gender:</i> 100% female <i>Race/Ethnicity:</i> 100% Hispanic <i>Employment:</i> NR <i>Income:</i> NR, but low income <i>Education:</i> 60.5% < high school; 35.7% ≥ high school <i>Insurance:</i> 6.8% insured <i>Established source of care:</i> 53.3% with regular care <i>Baseline screening of intervention group:</i> 39.6% PAP 17.0% MAM</p>	<p>Up-to-date with MAM: Pre: 17.0% Post: 61.5% Change: +44.6pct pts</p>