

NIH MODULAR PERSONNEL JUSTIFICATION

Year 01 = \$150,000 (6 - \$25,000 modules)

Year 02 = \$125,000 (5 - \$25,000 modules)

Personnel

Elizabeth Oaks, PhD, MPH, Principal Investigator (effort = 3.0 academic and 1.0 summer months in Years 1 and 2) will be responsible for the overall administration and direction of the project. She will be responsible for the day-to-day management of the research project for the entire study period, including all aspects of the project design, implementation, and analyses. She will supervise the graduate student researcher involved in the project, be responsible for facilitating meetings between co-investigators as well as communication of project goals, and serve as the primary contact person for survey administration services. Dr. Oaks will also take the lead on data cleaning and analyses for manuscript preparations.

Amy Willow, PhD, Co-investigator (effort = 1.8 calendar months in Years 1 and 2) will be closely involved in the design, implementation, and analyses of the proposed project. She will assist in the development of the phone survey tool, as well as the data management and analyses of the resulting data. She will assist in the modification of the campus tobacco policy rating tool and resulting data analyses. She will also assist in the facilitation of focus group administration and interpretation of resulting data. She will be involved in the preparation of manuscripts for publication.

Phyllis Sycamore, PhD, Co-investigator (effort = 1.2 calendar months in Years 1 and 2) will assist in the design, implementation, and analyses of the proposed project. She will assist in the development of the phone survey tool and management of survey data collection and analyses. She will review the modified campus tobacco policy rating tool and assist in the assessment for content validation with expert reviewers. Dr. Sycamore will assist with the interpretation of focus group data. She will be involved in the preparation of manuscripts for publication.

Jean Maples, PhD, Consultant, will provide consultation on the study design as well as the development of the survey instrument for administrators. She will review the tobacco policy rating tool and provide additional modifications, as appropriate. She will provide input on the development of focus group survey questions. Dr. Maples will be involved in the preparation of manuscripts for publication, as appropriate.

TBN Graduate Research Assistant (effort = 6.0 calendar months in Years 1 and 2) will provide support and assistance in the design, implementation, and analyses of the project. This person will assist in the development of survey tools, providing consultation with the phone survey provider, and attend project meetings as necessary. The GRA will take the lead on the construction of a policy database for the categorization of written campus policies, assist in data entry for campus tobacco policy ratings, and assess campus tobacco policy ratings as necessary. The GRA will assist in the logistic support for focus group planning and coordination, provide field notes during focus group sessions, and assist in the thematic analyses of resulting data. This person will assist in the preparation of manuscripts for publication, as appropriate.

Other expenses

Strategic Research, Inc. will conduct telephone survey of officials from 126 college and universities at a cost of \$16,205 in yr 1.

NIH DETAILED BUDGET JUSTIFICATION

Personnel

Susan Lavender, Ph.D., M.P.H., Principal Investigator (2.7 academic and 0.9 summer months in years 1-5.)

Dr. Lavender is a Professor in the College of Public Health at Land-Grant State University (LGSU). She will direct all phases of the research. This includes hiring and training of LGSU and county staff to administer the baseline survey, deliver protocols, and insure fidelity to the implementation of the intervention and its evaluation, including the supervision of saliva cotinine analyses as well as overall supervision of the project and personnel. Dr. Lavender has conducted tobacco-related research for the past 20 years, most recently in Appalachian counties. Her research has focused on nicotine dependence and treatment, especially among underserved groups of smokers.

David Brown, Ph.D., Co-investigator (effort = 1.2 calendar months in years 1-4, 1.8 months in year 5).

Dr. Brown is a Professor and Chair of the Division of Epidemiology in the College of Public Health at L-GSU. He will be responsible for design and analyses related to Aim 1, which involve intervention effects in a group-randomized trial. He will participate in the preparation of project reports and publications. Dr. Brown has extensive experience in the design and analyses of group randomized trials.

Amy White, Ph.D., Co-investigator (effort = 1.2 calendar months in years 1-4 and 1.8 months in year 5).

Dr. White is an Associate Professor in the College of Public Health at LGSU. As an epidemiologist, she will be responsible for the administration of surveys (baseline and follow-up) and will be responsible for analyses related to Aim 2, which involve analytic methods for observational studies in a complex study design. She will participate in the preparation of project reports and publications. Dr. White and Dr. Lavender have collaborated in the past on tobacco-related research studies that included longitudinal data collection and analyses.

Sue Blu, Ph.D., Co-investigator (effort = 0.45 academic and 0.15 summer months years 1-5). Dr. Blu is a Professor in the Department of Geography at L-GSU. She will supervise the design, implementation, and GIS data analyses for Specific Aim 3 (Exploratory Aim). She will train participants to complete the travel diary and will supervise the Graduate Research Associate tasks related to geocoding of databases, collection of geocoding county site, and ArcGIS® data analyses. Dr. Blu has extensive experience with the construction of measures and analyses of Geographical Information Systems.

Project Director TBN (effort = 12 calendar months in years 1-5). The project director will assist Dr. Lavender with the overall management of the project and will travel to the sites to coordinate ongoing project activities with the local county teams. The Project Director will assume responsibility for daily management of project personnel and coordination between the investigators, the staff, and protocol populations. The Project Director will train the lay health educators to conduct the intervention and will supervise collection of process evaluation data.

Nurses TBN (effort = 9 calendar months in years 1-5). Three 0.25 FTE nurses will serve as case-managers and will be responsible for supervising the implementation of the protocol by the lay educator staff in the intervention counties. The nurses will meet weekly with Extension Agents and Lay Educators to review progress.

Lay Health Educators TBN (effort = 9 calendar months years 1-5). Three 0.25 FTE lay educators will participate in the implementation of the intervention group protocol. The lay educators will receive four weeks of training to deliver the tobacco intervention. Lay educators will also participate in the pilot testing of the intervention. The lay educators will be chosen in consultation with the county Extension Agents.

Rural Extension Agents TBN (effort=1.8 calendar months years 1-5). Three extension agents (5% effort each) will be responsible for identifying and facilitating recruitment efforts in each county. The extension agents will meet weekly with nurses and lay educators to discuss progress.

Interviewers TBN (effort= 18.0 calendar months in years 1-5) Three 0.50 FTE interviewers will administer all baseline surveys, and collect outcome data at end-of-treatment (3 month) and 6 and 12 months.

Graduate Research Associate (effort=6 months in years 1-5). The Graduate Research Associate (a doctoral student in Epidemiology) will assist with survey data-related tasks. These include attention to data quality, entry, management, and analyses.

Fringe benefits rates are 28.0% for faculty academic year, 14.6% for faculty summer and 36.7% for administrative and professional staff. Personnel costs are adjusted 3% per year for inflation.

Consultants

Harry Black, Ph.D., has conducted tobacco intervention research for over 30 years. He has vast experience with clinical trials of cessation among clinical and community-based groups of smokers, and will share his expertise via a consulting arrangement. Dr. Black will travel to LGSU in years 1 and 5 to consult on the project. Expenses include airfare, one-night lodging, and honorarium. **(\$2,000 in years 1 and 5)**

Materials and Supplies

The supplies include:

- 1) Purchase of six laptop computers at \$2,000 each for use by each intervention lay health educator and each interviewer. The laptops will allow direct entry of data collected by interviewers during baseline, end-of-treatment (3 month) and 6 and 12 months and during implementation of the intervention protocol by lay educators **(\$12,000 in year 1)**
- 2) Nicotine replacement (\$145 each for 708 participants. **(\$65,250 in year 1 and \$37,410 in year 2)**
- 3) Urine pregnancy kits (HCG) for 354 participants at \$25/test are requested. **(\$8,850 in year 1)**

Travel

Local travel at \$0.55/mile reimbursement for: training, data collection and implementation of the intervention for Specific Aim 1 and geocoding activities for Specific Aim 3 (Exploratory Aim). In addition, project staff from Columbus will travel periodically for meetings, training of lay health educators, etc. The project director will travel monthly to sites. **(\$5,550 for years 1-3, \$2,755 in year 4, \$8,325 in year 5)**

Tuition and Fees

Tuition for Graduate Research Associates is included at \$3,689 per quarter in year 1 and inflated 6% per year in years 2-5. **(\$14,756 in year 1, \$15,641 in year 2, \$16,580 in year 3, \$17,574 in year 4, \$18,629 in year 5)**

Other

Incentives for 708 participants as follows: \$25 at baseline; \$10 at end of treatment/3 months; \$10 at 6 months; and \$25 at 12 months. **(\$10,620 in years 1-2, \$16,520 in year 3, and \$11,800 in year 5)**

Pilot participant incentives (intervention and travel diary) in years 4-5. **(\$360 in years 1-2, \$2,040 in year 4, and \$1,680 in year 5)**

Cotinine analyses at \$20/sample (n=797). **(\$15,940 in year 5)**

Postage and photocopying of newsletter mailings to track participants and reduce attrition. **(\$1,000/year)**

ArcGIS software site license. **(\$100 Years 3-5)**

Indirect Costs

Land-Grant State University's federally-negotiated indirect cost rate is 50% of modified total direct costs (excluding tuition, equipment, and subaward amounts over \$25,000) per our F&A Rate Agreement with DHHS dated July 1, 2009.

Shows unnecessary detail; annual increases

NIH R01 Modular Budget**Year 1**

Total of direct cost:	\$249,835
Direct modular cost:	\$250,000
MTDC:	\$234,900
52.5% F&A:	\$123,323
TOTAL REQUESTED:	\$373,323

PERSONNEL— \$98,335 (including benefits)

The Principal Investigator, Dr. Buckeye, will devote 3.6 person months to this important project. The PI is currently on a 9-months appointment. This amount of salary request will pay for part of his summer salary. His salary request for this year is \$22,652. Dr. B is the principal PI of this project and he will be responsible for the overall planning, supervision, coordination and execution of the project. Dr. B will participate in and supervise all the proposed experiments in the 4 Aims.

Postdoctoral Researcher (TBN): The initial salary is \$39,000 for 12 person months.

Graduate Research Associate: The salary for this position is \$18,800 for 6 person months (the standard appointment for full-time graduate students).

FRINGE BENEFITS— \$17,883

The fringe benefits were calculated at the standard rates for The Ohio State University (17.2% for summer quarter faculty, 29.5 % for the postdoctoral researcher, and 13.2 % for the graduate student.)

TUITION & FEES - \$15,100

Four quarters of graduate tuition and fees from Fall quarter 2010 – Summer 2011.

Year 2

Total of direct cost:	\$249,720
Direct modular cost:	\$250,000
MTDC:	\$233,994
52.5% F&A:	\$122,847
TOTAL REQUESTED:	\$372,567

PERSONNEL— \$102,114 (including benefits)

The Principal Investigator, Dr. Buckeye, will devote 3.6 person months to this important project. The PI is currently on a 9-months appointment. This amount of salary request will pay for part of his summer salary. His requested salary for this year is \$23,332 which is a 3% increase over the previous year. Dr. B is the principal PI of this project and he will be responsible for the overall planning, supervision, coordination and execution of the project. Dr. B will participate in and supervise all the proposed experiments in the 4 Aims.

Postdoctoral Researcher (TBN): The salary is \$40,170 for 12 person months, which represents a 3.5% increase over the previous year.

Shows unnecessary detail; annual increases

Graduate Research Associate: The salary for this position is \$19,364 for 6 person months (the standard appointment for full-time graduate students) which represents a 3% over the previous year.

FRINGE BENEFITS— \$19,248

The fringe benefits were calculated at the standard rates for The Ohio State University (18.2% for summer quarter faculty, 30.5 % for the postdoctoral researcher, and 14.2 % for the graduate student.)

TUITION & FEES - \$16,006

Four quarters of graduate tuition and fees from Fall quarter 2011 – Summer 2012.

Year 3

Total of direct cost:	\$249,997
Direct modular cost:	\$250,000
MTDC:	\$233,034
52.5% F&A:	\$122,343
TOTAL REQUESTED:	\$372,340

PERSONNEL— \$106,031 (including benefits)

The Principal Investigator, Dr. Buckeye, will devote 3.6 person months to this important project. The PI is currently on a 9-months appointment. This amount of salary request will pay for part of his summer salary. His requested salary for this year is \$24,032 which is a 3% increase over the previous year. Dr. B is the principal PI of this project and he will be responsible for the overall planning, supervision, coordination and execution of the project. Dr. B will participate in and supervise all the proposed experiments in the 4 Aims.

Postdoctoral Researcher (TBN): The salary is \$41,375 for 12 person months, which represents a 3.5% increase over the previous year.

Graduate Research Associate: The salary for this position is \$19,945 for 6 person months (the standard appointment for full-time graduate students) which represents a 3% over the previous year.

FRINGE BENEFITS— \$20,679

The fringe benefits were calculated at the standard rates for The Ohio State University (19.2% for summer quarter faculty, 31.5 % for the postdoctoral researcher, and 15.2 % for the graduate student.)

TUITION & FEES - \$16,966

Four quarters of graduate tuition and fees from Fall quarter 2012 – Summer 2013.

Year 4

Total of direct cost:	\$249,991
Direct modular cost:	\$250,000
MTDC:	\$250,000
52.5% F&A:	\$131,250

Shows unnecessary detail; annual increases

TOTAL REQUESTED: \$381,250**PERSONNEL— \$137,493** (including benefits)

The Principal Investigator 1, Dr. Buckeye, will devote 3.6 person months to this important project. The PI is currently on a 9-months appointment. This amount of salary request will pay for part of his summer salary. His requested salary for this year is \$24,753 which is a 3% increase over the previous year. Dr. B is the principal PI of this project and he will be responsible for the overall planning, supervision, coordination and execution of the project. Dr. B will participate in and supervise all the proposed experiments in the 5 Aims.

The Principal Investigator 2, Dr. Ohio, will devote 0.6 person months to this project. His salary for this year is \$6,800.

Postdoctoral Researcher (TBN): The salary is \$42,616 for 12 person months, which represents a 3% increase over the previous year.

Technician: The salary is \$32,000 for 12 person months.

Graduate Research Associate: N/A

FRINGE BENEFITS— \$31,324

The fringe benefits were calculated at the standard rates for The Ohio State University (20.2% for summer quarter faculty, 32.5 % for the postdoctoral researcher, and 16.2 % for the graduate student.)

Year 5

Total of direct cost:	\$250,456
Direct modular cost:	\$250,000
MTDC:	\$250,000
52.5% F&A:	\$131,250
TOTAL REQUESTED:	\$381,250

PERSONNEL— \$142,756

The Principal Investigator 1, Buckeye, will devote 3.6 person months to this important project. The PI is currently on a 9-months appointment. This amount of salary request will pay for part of his summer salary. His requested salary for this year is \$25,495 which is a 3% increase over the previous year. Dr. B is the principal PI of this project and he will be responsible for the overall planning, supervision, coordination and execution of the project. Dr. B will participate in and supervise all the proposed experiments in the 5 Aims.

The Principal Investigator 2, Dr. Ohio, will devote 0.6 person months to this project. His salary for this year is \$7,038.

Postdoctoral Researcher (TBN): The salary is \$43,895 for 12 person months, which represents a 3.5% increase over the previous year.

Technician: The salary is \$32,960 for 12 person months, which represents a 3% increase over the previous year.

Shows unnecessary detail; annual increases

Graduate Research Associate: N/A

FRINGE BENEFITS— \$33,368

The fringe benefits were calculated at the standard rates for The Ohio State University (21.2% for summer quarter faculty, 33.5 % for the postdoctoral researcher, and 17.2 % for the graduate student.)