**HCHS/SOL PUBLICATIONS PROPOSAL TEMPLATE – Word clone version of the website form**

This Word document matches the format of the online submission form. You may use this template prior to cut/paste into the website form when your draft is ready. Email submissions are not permitted. Attachments to blank webforms will similarly not be accepted.

**1.** *Revised Manuscript Proposal?*: **Yes/No check box**

***2.*** *a. Full Title*: The full title should be a descriptive title that clearly states the intentions and purpose of the submission. It also must include the study's full name E.g. HCHS/SOL.  
REVISED SUBMISSIONS NOTE: Help us expedite the review of a previously reviewed proposal, if you are submitting a revised proposal please put the word REVISED and a hyphen in all caps before your title. E.g. REVISED – Title in Regular Upper/Lower Case.

“Religion and Spirituality in the National Consortium on Psychosocial Stress, Spirituality, and Health: Latina, South Asian, American Indian, Black, and White Women”

*b. Abbreviated Title: (Omit study name & keep brief; max 40 characters)*:

***3.*** *Type of Paper:*



***4.*** *Ancillary Study:*



#2018.13

***5.***Title of Ancillary Study:

If the Ancillary Study is not found in list above, enter Number and Title here. (E.g. 001 HCHS/SOL Ancillary Study Title)

Stress, Spirituality, and Health

***6.*** *Keywords:*

*The keywords should include some of the topics related to the study separated by commas.*

Ethnicity, Spirituality, Religion

***Author Information:***

***7.*** *Proposer:*

Blake Victor Kent; bvkent@mgh.harvard.edu

*<First Name><Middle Name or Initial><Last Name>; <E-mail Address> (E.g. William Henry Gates;* [*founder@microsoft.com*](mailto:founder@microsoft.com)*).*

***8.*** *Lead/Corresponding Author:*

*Enter the first few letters of the last name and select the Lead/Corresponding Author from the filtered list by using the pointer to highlight the correct name and clicking.  
After selection is made the Lead/Corresponding Author's name will appear in field with a number in parentheses afterwards. E.g. Daniela Sotres-Alvarez (558).*

***9.*** *Lead/Corresponding Author not on HCHS/SOL website:*

*If the Lead/Corresponding Author is not found in field above, please insert the full name and current email address.  
<First Name><Middle Name or Initial><Last Name>; <E-mail Address> (E.g. William Henry Gates;* [*founder@microsoft.com*](mailto:founder@microsoft.com)*).*

Blake Victor Kent; bvkent@mgh.harvard.edu

***10.*** *Lead/Corresponding Author Affiliation:*



***11.*** *Lead/Corresponding Author Affiliation: If the Lead/Corresponding Author is not at an HCHS/SOL site, list current affiliation.*

*Massachusetts General Hospital/Harvard Medical School, Boston, MA*

***12.*** *Lead Author has REVIEWED this proposal and found NO OVERLAP:*

*Place a check in the checkbox to verify that the Lead Author of this manuscript proposal has reviewed the list of existing HCHS/SOL manuscript proposals AND has found NO OVERLAP between this proposal and previously approved manuscript proposals either published or still in active status. [HCHS/SOL Investigators can search keywords in HCHS proposals by navigating to Pubs Hub -> Reports -> Manuscript Proposal Keyword Search]*

***13.*** *Manuscript Affiliation:*



***14.****Sponsoring PI:*

*If you are not a current HCHS/SOL Investigator, then list name(s) of Sponsoring PI and Ancillary PI to indicate they have reviewed and approve of this submission.  
NOTE: If using Ancillary Study data, the AS PI must also be listed as Sponsoring PI. The sponsoring PI is often of the same affiliation, but it is not required to be.*

Alexandra E. Shields

Martha Daviglus

***15.*** *Co-Author(s):*

Ying Zhang, Shelley Tworoger, Marcia O’Leary, Julie R. Palmer, Alka Kanaya, Alexandra E. Shields

*By listing Co-Authors, you indicate they have reviewed this submission.  
Enter the first few letters of the last name and select the Co-Author from the filtered list by using the pointer to highlight the correct name and clicking.  
After the selection is made the Co-Author’s name will appear in field with a number in parentheses afterwards. E.g. Daniela Sotres-Alvarez (558).*

***16.*** *Co-Author(s) not on HCHS/SOL website:*

*If the Co-Author is not found in field above, please insert the full name and current email address.  
<First Name>, <Middle Name or Initial><Last Name>; <E-mail Address> (E.g. William Henry Gates;* [*founder@microsoft.com*](mailto:founder@microsoft.com)*).*

***17.*** *Additional Corresponding Authors:*

*Enter the first few letters of the last name and select the Additional Corresponding Authors from the filtered list by using the pointer to highlight the correct name and clicking.  
After selection is made the Additional Corresponding Author's name will appear in field with a number in parentheses afterwards. E.g. Daniela Sotres-Alvarez (558).  
Please list any additional authors to receive Pubs Committee correspondence such as approval, revisions, etc. Authors listed must be registered HCHS/SOL website users.  
These should only be corresponding authors, not the entire writing group.*

**None**

***18.*** *Nominee(s) Requested:*

*Name of Nominee|Email Address| Affiliation| Justification| Misc Notes: With proposal submission please ignore this table*

***Data Information:***

***19.*** *Data Analysis Location:*

*The location where the data analysis will be performed. Data must be handled per study policy.*

50 Staniford Street, Suite 802, Boston, MA 02114

***20.*** *Other Data Analysis Location:*

*If you selected "A Writing Group Member's Site", please specify the Location where the data analysis will be performed.*

***21.*** *Data Requests:*

*Check appropriate box(es) if you plan to use the data in this manuscript. baseline, visit2, visit3, visit4*

visit 1, visit 2, annual follow-up 1-10, “Ancillary: Life, Chronic, and Perceived Stress” - This is what Erica wrote. I have no idea for my paper. I need all RS items plus age, gender, marital status, and income.

***22.*** *Other Data Request Type:*

*If the Data Request Type is not available above, please list the other data request types.*

***23.*** *This manuscript proposal is primarily the result of an ancillary study*



***24.*** *This manuscript proposal is affiliated with a K award*



***25.*** *This manuscript proposal is a dissertation*



***26.*** *Scientific Interest Group****:*** *If this manuscript proposal has been developed in consideration with a Scientific Interest Group, please select it from the list.*



***Manuscript Information:***

***27.*** *Consortium Paper Information:*

*If this is a consortium paper, please provide information such as name, member studies, goals, etc.  
Please select the https://www2.cscc.unc.edu/hchs/sites/default/files/images/PasteFromWord.png (Paste From Word) option when using Copy and Paste to add content from a Microsoft® Word document. The browser will open a separate window. Use "Ctrl+V" to paste the content into the window, then select the https://www2.cscc.unc.edu/hchs/sites/default/files/images/PasteFromWordIns.png button.*

National Consortium on Psychosocial Stress, Spirituality, and Health

Participating Cohorts: Black Women’s Health Study, HCHS/SOL, Mediators of Atherosclerosis in South Asians (MASALA), Nurses’ Health Study II, Strong Heart Study

The aim of our project is to begin to shift the state of science towards understanding the underlying mechanisms through which psychosocial stress contributes to disease. This will be accomplished through examining psychosocial stressors in relation to DNA methylation in five stress-related and serotonergic genes, as well in relation to telomere attrition. Importantly, our large and diverse national Consortium will allow us to study these genetic mechanisms in relation to health outcomes (such as hypertension, cardiovascular disease, and mortality) that are marked by persistent racial, ethnic, and socioeconomic disparities. This will be the first such study that will be adequately powered to conduct comparative assessment of the relationship of psychosocial stress and these biomarkers between the diverse populations in our cohort.

Another important innovation of our project will be to look at the influence of positive resources for resiliency such as religion and spirituality, in addition to studying psychosocial exposures. Spirituality is a particularly salient cultural influence in Black, Latino, South Asian, and Native American communities, and our research will be the first large-scale, national project to rigorously assess religion or spirituality within a biologically-meaningful framework.

***28.*** *Rationale:*

*Please select the https://www2.cscc.unc.edu/hchs/sites/default/files/images/PasteFromWord.png (Paste From Word) option when using Copy and Paste to add content from a Microsoft® Word document. The browser will open a separate window. Use "Ctrl+V" to paste the content into the window, then select the https://www2.cscc.unc.edu/hchs/sites/default/files/images/PasteFromWordIns.png button.*

This report offers descriptive analysis of the religion and spirituality (RS) initiative of the National Consortium on Psychosocial Stress, Spirituality, and Health, utilizing new RS data from subsamples of Mediators of Atherosclerosis in Study of Latinos (SOL), South Asians Living in America (MASALA) study, Strong Hearth Study (SHS), Nurses’ Health Study 2 (NHS2), and Black Women’s Health Study (BWHS). Data will be stratified along racial/ethnic lines, examining Latina, South Asian, American Indian, Black, and white women, as well as by several religious and spiritual categorizations. This report fills two primary gaps. First, little quantitative data has been published on the RS beliefs and practices of the American Indian and U.S.-based South Asian populations, with a modicum of data on Latinas. These data allow for comparison against more commonly studied racial/ethnic and religious groups. Second, while the concepts of being “spiritual” and/or “religious” have received attention in the social sciences, the terms themselves have evaded precise definition, in part due to evolution of the terms during the 20th century. This paper offers definitional schemes for these terms iteratively developed with researchers and multi-ethnic/religious focus groups. The full descriptive report provides insight into RS beliefs, attitudes, and practices across a spectrum of religious traditions, racial/ethnic lines, and spiritual/religious definitional constructs, and suggests several possible avenues for continued research.

***29.*** *Main Hypothesis/ Study Questions:*

*Please select the https://www2.cscc.unc.edu/hchs/sites/default/files/images/PasteFromWord.png (Paste From Word) option when using Copy and Paste to add content from a Microsoft® Word document. The browser will open a separate window. Use "Ctrl+V" to paste the content into the window, then select the https://www2.cscc.unc.edu/hchs/sites/default/files/images/PasteFromWordIns.png button.*

This is a descriptive paper documenting raw means across a variety of categorizations. Such a paper is necessary because: a) few studies represent such a wide array of RS variables, b) many of the RS variables represented here are new, and c) even established RS items have not been evaluated in South Asian and American Indian populations. The first two animating questions are: “Do reports of RS differ by race/ethnicity?” and “Do reports of RS differ by religious tradition?” Beyond this, new measures of respondent definition of “spirituality” and “being religious” are contained in the instrument. Therefore, all RS measures will also be stratified by these definitions to identify any meaningful differences (see RS list of variables below).

H0: There is no difference in mean/expected frequency among analyzed groups.

H1: There is a difference in mean/expected frequency among analyzed groups.

***30.*** *Analysis Plan / Outline:*

*Please select the https://www2.cscc.unc.edu/hchs/sites/default/files/images/PasteFromWord.png (Paste From Word) option when using Copy and Paste to add content from a Microsoft® Word document. The browser will open a separate window. Use "Ctrl+V" to paste the content into the window, then select the https://www2.cscc.unc.edu/hchs/sites/default/files/images/PasteFromWordIns.png button.*

Descriptives for Table 1 will include gender, age, and income to depict each cohort’s broad characteristics, though these will not be adjusted in Tables 2-5, as the aim of the study is to present unadjusted means on RS variables across the five cohorts. The cohorts differ in just a few ways for harmonization purposes since RS measures are identical across cohorts. Gender is considered stable and age is calculated at the time of RS survey for each cohort. Income will be taken from the most recent available data for each cohort. Tables 2-5 (representing our four categorizations) will calculate means across each categorization and employ ANOVA or Chi-square tests as appropriate.

All RS items are identical across cohorts and so they can be easily harmonized. One variable requires some work to harmonize, however, which is religious tradition. Each cohort had a series of level one religious tradition categories selected by respondents, and several cohorts allowed for a level two write-in denominational affiliation as well. Using the most specific data available for each respondent, each case will be assigned to a modified version of the RELTRAD (religious tradition) categorization developed by Steensland et al. (2000), which is the current gold standard in social science. Respondents will be classified as: Evangelical, Mainline Protestant, Black Protestant, Catholic, Jewish, Buddhist, Hindu, Muslim, Sikh, Jain, Traditional American Indian, Other, None, Agnostic, or Atheist. If respondents selected multiple categories, they will be categorized as Other.

Finally, the following list includes the RS item to be evaluated in this study. Respondents were encouraged to substitute and appropriate term for God if Allah, Ancestors, Baghwan, etc. were a better fit for their definition of a higher power. The instrument contains appropriate skip patterns so those who do not believe in God or do not belong to a congregation do not answer non-applicable questions. Scale item sources are indicated.

|  |  |
| --- | --- |
| RS Items  Which is *closest* to your own definition of spirituality? | |
| …the search for meaning and purpose in life |
| …about your personal relationship with God |
| …the search for enlightenment |
| ...a connection to life that goes beyond the physical world |
| ...embracing the traditions of my ancestors |
| …none of the above |
| Which is *closest* to your own definition of being religious? | |
| …identifying with beliefs/practices of right way to live |
| …strengthening faith thru membership in faith community |
| …following formal teachings or doctrines |
| …about your personal relationship with God |
| …none of the above |
| Which statement best describes you? |
| …spiritual and religious |
| …spiritual but not religious |
| …religious but not spiritual |
| …neither religious nor spiritual |
| Religious attendance "once/week or more" |
| Considers self "very" religious or spiritual |
| Part of a religious congregation or community |
| Shown love by fellow congregants "very often" |
| Religious community critical of you "very often" or "fairly often" |
| Religious community offers social services |
| Family has used social service offered by religious community |
| Group prayer outside religious services "once/day or more" |
| Pray alone "once/day or more" |
| Pray for others when praying alone "once/day or more" |
| Read scriptures "once/day or more" |
| Meditate "once/day or more" |
| Practice yoga "once/day or more" |
| "Definitely" believe in life after death |
| "Definitely" believe that God exists |
| God "definitely" gives me strength to do things I could not |
| God's spirit "definitely" dwells in my body |
| God "definitely" loves me unconditionally |
| God has "definitely" come through for me |
| Relationship with God "definitely" behind approach to life |
| Before I forgive others, they must promise not to repeat, "Str agree" |
| It is hard to forgive myself for things I’ve done wrong, "Str agree" |
| I have forgiven those who hurt me, "Strongly agree" |
| Others have not forgiven me for what I've done to hurt them, "Str agree" |
| Religion or spirituality is "very much" involved in dealing with stress |
| Positive religious coping scale (Pargament et al. 2000) |
| Negative religious coping scale (Pargament et al. 2000) |
| Religious and spiritual struggles scale (Exline et al. 2014) |
| Religious and spiritual hope scale (de novo) |
| Gratitude scale (McCullough et al. 2002) |
| Psychological well-being scale (Ryff 1989) |
| Non-theistic daily spiritual experience scale (Underwood and Teresi 2002) |
| Theistic daily spiritual experience scale (Underwood and Teresi 2002) |
| Full daily spiritual experience scale (Underwood and Teresi 2002) |

***31.***  *Table Shell:*

*REQUIRED: If using data -- attach table shells and provide an illustrative file title. (e.g. Example table for CVD Risk Comparisons). File title is limited to 65 characters including the extension, e.g., .pdf, .docx, .doc. If no data -- provide an outline, then click to "Browse..." and upload a single file from your computer to include in the submission for review (you may need to combine multiple figures, tables etc. into one file to append).*

***32.*** *Add a new file:*

*Please use ONLY “underscores” \_ or alphanumeric (Aa-Zz, 0-9) characters in the file name.*

***33.*** *Relevant References:*

*Please select the https://www2.cscc.unc.edu/hchs/sites/default/files/images/PasteFromWord.png (Paste From Word) option when using Copy and Paste to add content from a Microsoft® Word document. The browser will open a separate window. Use "Ctrl+V" to paste the content into the window, then select the https://www2.cscc.unc.edu/hchs/sites/default/files/images/PasteFromWordIns.png button.*

References

Aldred, Lisa. 2000. “Plastic Shamans and Astroturf Sun Dances: New Age Commercialization of Native American Spirituality.” *American Indian Quarterly* 24(3):329–52.

Bender, Courtney, Wendy Cadge, Peggy Levitt, and David Smilde. 2012. *Religion on the Edge: De-Centering and Re-Centering the Sociology of Religion*. Oxford University Press.

Black Elk. 2008. *Black Elk Speaks: Being the Life Story of a Holy Man of the Oglala Sioux*. Premier ed. Albany, N.Y.: Excelsior Editions, State University Press of New York Press.

Bohn, Diane K. 2003. “Lifetime Physical and Sexual Abuse, Substance Abuse, Depression, and Suicide Attempts Among Native American Women.” *Issues in Mental Health Nursing* 24(3):333–52.

Bowden, Henry Warner. 1985. *American Indians and Christian Missions: Studies in Cultural Conflict*. University of Chicago Press.

Deloria, Vine. 2003. *God Is Red: A Native View of Religion*. Fulcrum Publishing.

DeMallie, Raymond J. and Douglas R. Parks. 1989. *Sioux Indian Religion: Tradition and Innovation*. University of Oklahoma Press.

Emblen, Julia D. 1992. “Religion and Spirituality Defined According to Current Use in Nursing Literature.” *Journal of Professional Nursing* 8(1):41–47.

Exline, Julie J., Kenneth I. Pargament, Joshua B. Grubbs, and Ann Marie Yali. 2014. “The Religious and Spiritual Struggles Scale: Development and Initial Validation.” *Psychology of Religion and Spirituality* 6(3):208–22.

Gitter, Robert J. and Patricia B. Reagan. 2002. “Reservation Wages: An Analysis of the Effects of Reservations on Employment of American Indian Men.” *American Economic Review* 92(4):1160–68.

Holler, Clyde. 1995. *Black Elk’s Religion: The Sun Dance and Lakota Catholicism*. Syracuse University Press.

Irwin, Lee. 1997. “Freedom, Law, and Prophecy: A Brief History of Native American Religious Resistance.” *American Indian Quarterly* 21(1):35–55.

Keaten, James A. and Charles Soukup. 2009. “Dialogue and Religious Otherness: Toward a Model of Pluralistic Interfaith Dialogue.” *Journal of International and Intercultural Communication* 2(2):168–87.

McCullough, Michael E., Robert A. Emmons, and Jo-Ann Tsang. 2002. “The Grateful Disposition: A Conceptual and Empirical Topography.” *Journal of Personality and Social Psychology* 82(1):112–27.

Melton, J. Gordon, ed. 2017. *Melton’s Encyclopedia of American Religions*. 9th edition. Detroit: Gale.

Pargament, Kenneth I., Harold G. Koenig, and Lisa M. Perez. 2000. “The Many Methods of Religious Coping: Development and Initial Validation of the RCOPE.” *Journal of Clinical Psychology* 56(4):519–43.

Ryff, Carol D. 1989. “Happiness Is Everything, or Is It? Explorations on the Meaning of Psychological Well-Being.” *Journal of Personality and Social Psychology* 57(6):1069–81.

Schnabel, Landon. 2015. “How Religious Are American Women and Men? Gender Differences and Similarities.” *Journal for the Scientific Study of Religion* 54(3):616–22.

Steensland, Brian, Lynn D. Robinson, W. Bradford Wilcox, Jerry Z. Park, Mark D. Regnerus, and Robert D. Woodberry. 2000. “The Measure of American Religion: Toward Improving the State of the Art.” *Social Forces* 79(1):291–318.

Sullins, D. Paul. 2006. “Gender and Religion: Deconstructing Universality, Constructing Complexity.” *American Journal of Sociology* 112(3):838–80.

Tinker, George E. 1993. *Missionary Conquest: The Gospel and Native American Cultural Genocide*. Fortress Press.

Underwood, Lynn G. and Jeanne A. Teresi. 2002. “The Daily Spiritual Experience Scale: Development, Theoretical Description, Reliability, Exploratory Factor Analysis, and Preliminary Construct Validity Using Health-Related Data.” *Annals of Behavioral Medicine* 24(1):22–33.

Wuthnow, Robert. 1989. *The Restructuring of American Religion: Society and Faith Since World War II*. Princeton University Press.

***34.*** *Other Supplementary Proposal Materials:*

*Upload other supplemental proposal materials. Do not upload the proposal file.*

***35.*** *Add a new file:*

*Please use ONLY “underscores” \_ or alphanumeric (Aa-Zz, 0-9) characters in the file name.*

*(NOTE) Manuscript Preparation is expected to be completed in one to three years.*

***If timely progress is not being made, the study may replace the lead authors or the manuscript proposal will expire.***