Received: 9/8/11
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Requirements to submit AOI:

A comprehensive review of previously published data has been completed.: Yes
The specific aims are clear and focused.: Yes
The investigator has appropriate experience and expertise to develop the concept proposal; if not, has identified a mentor or senior co-investigator.: Yes
The investigator agrees to develop an initial draft of the concept proposal within 6 weeks of approval of the AOI and to finalize the concept proposal within 6 months.: Yes

Project Title: Statistical Analysis of a mixture of recurrent event and panel count data
Planned research population (eligibility criteria): the whole CCSS study population (as a motivating example)
Proposed specific aims: A.1. To develop nonparametric estimation of the mean function and to develop the procedures of nonparametric two-sample comparison for type I and type II mixture data. A.2. To develop likelihood-based methods and semiparametric estimating equation-based methods for regression analysis of type I and type II mixture data. A.3. To develop the likelihood-based methods and the semiparametric estimating equation-based methods for regression analysis of multivariate mixture data.
Will the project require non-CCSS funding to complete?: No
If yes, what would be the anticipated source(s) and timeline(s) for securing funding?:

Does this project require contact of CCSS study subjects for . . .

Additional self-reported information: No
Biological Samples: No
Medical record data: No
If yes to any of the above, please briefly describe.: "

What CCSS Working Group(s) would likely be involved? (Check all that apply)
To describe the anticipated scope of the study, please indicate the specific CCSS data to be included as outcome (primary or secondary) or correlative factors. (Check all that apply)

Late mortality:
Second Malignancy:

Health Behaviors

Tobacco:
Alcohol:
Physical activity:
Medical screening:
Other:
If other, please specify:

Psychosocial

Insurance:
Marriage:
Education:
Employment:
Other:
If other, please specify:

Medical conditions

Hearing/Vision/Speech:
Hormonal systems:
Heart and vascular:
Respiratory:
Digestive:
Surgical procedures:
Brain and nervous system:
Other:
If other, please specify:

Medications
Describe medications:

Pregnancy and offspring: Primary
Family History:

Psychologic/Quality of Life

BSI-18:
SF-36:
CCSS-NCQ:
PTS:
PTG:
Other:
If other, please specify:

Chronic conditions (CTCAE v3):
Health status:

Demographic

Age:
Race:
Sex:
Others:
If others, please specify:

Cancer treatment

Chemotherapy:
Radiation therapy:
Surgery:

Anticipated sources of statistical support

CCSS Statistical Center:
Local institutional statistician: Yes
If local, please provide the name(s) and contact information of the statistician(s) to be involved.: Kumar Srivastava Liang Zhu
Will this project utilize CCSS biologic samples?: No

If yes, which of the following?
Buccal cell DNA:
Peripheral blood:
Lymphoblastoid cell lines:
Second malignancy pathology samples:
Other requiring collection of samples:
If other, please explain:

__________________________________________

Other general comments: