**UP43 (continued)**

**Evaluation:** Preliminary descriptive data presented such as frequency distributions, percentages and correlations

**Conclusions and Implications:** Results of baseline data collection may help in understanding underlying conditions of childhood obesity.

**Funding:** USDA Grant #20116800130167.

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**UP44 Use of a Digital Data Collection in a Multi-year, Family-centered Nutrition Intervention to Prevent Obesity in Mexican-heritage Children: Lessons Learned**

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**Objective:** To illustrate lessons learned from the use of digital data collection methods in a community based rural setting.

**Description:** Limesurvey®, an open source software program, was used to collect baseline data of rural low literacy Mexican Households in two rural communities. Baseline data was used to implement five survey instruments and medical measurement data. Results show with proper training and implementation robust data can be collected.

**Evaluation:** Internal validation and analysis was used to monitor data quality.

**Conclusions and Implications:** Limesurvey is an efficient and reliable instrument for data collection in rural remote settings with low literacy populations.

**Funding:** USDA Grant #20116800130167.

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**UP45 Use of Worn Accelerometers to Measure Physical Activity in Mexican-heritage Children in California’s Central Valley**

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**Objective:** Niños Sanos, Familia Sana is a multi-faceted intervention study designed to improve nutrition and physical education of Mexican-heritage children 3 to 8 years of age and their families living in an agricultural community of California’s central valley. Here we present physical activity data collected via a wrist worn accelerometer from children (n=170) at baseline.

**Description:** Data presented includes daily energy expenditure, number of steps, time in 5 activity intensity zones and sleep time. Associations of physical activity metrics with children’s health status are explored as well.

**Evaluation:** N/A.

**Conclusions and Implications:** This information will be translated into actionable knowledge for participants of the 3-year intervention.

**Funding:** Niños Sanos, Familia Sana USDA Grant # 82705.

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**UP46 All 4 Kids: Resiliency**

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**Objective:** Does economic strain (ES), family routines (FR), and Family Sense of Coherence (FSOC) relate to family resiliency in an obesogenic environment?

**Description:** Interviews were conducted with mothers in 5 states using ES, FR, and FSOC questionnaires. Mothers’ heights and weights were measured.

**Evaluation:** Data was analyzed using independent samples t-tests to determine if a correlation exists between maternal BMI classification and scores reported on ES, FR, and FSOC.

**Conclusions and Implications:** Obese mothers reported higher ES than normal weight mothers and more structured yearly routines than overweight mothers. No relationship was noted between maternal BMI and FSOC.

**Funding:** USDA Grant #2010-85215-20662.

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**UP47 Building the Capability of Extension Professionals to Apply an Ecological Approach to Preventing Childhood Obesity in Their Communities**

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**Objective:** The objective is to train extension nutrition and 4-H professionals in using an ecological approach to preventing childhood obesity.

**Description:** Seven sessions of a 6-week online course have been delivered to 307 professionals, either as teams of extension/community partners or individuals; 40-50 more will complete final training this spring.

**Evaluation:** Outcomes are assessed at course end and 6-month follow-up. Significant (P<.001) positive changes were observed pre-to-post-course for all 6 factors measuring knowledge, skills and self-efficacy (n=204).

**Conclusions and Implications:** Intended outcomes of increased knowledge, skills and self-efficacy in taking an ecological approach; intentions to apply material; and actual application at community level were realized.

**Funding:** USDA Grant #2010-85215-20665.

**Other Funding/Support:** USDA Smith-Lever and Hatch funds support the delivery and evaluation of the online course to New York State professionals including Cornell Cooperative Extension educators, which represent a different audience than targeted by this USDA-NIFA grant.