

Attachment 17

24 Hour Wearable Devices Pilot

Form Approved
OMB No. 0920-0950
Exp. Date XX/XX/20XX

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Up to 1,000 additional persons might participate in tests of wearable devices, if budgeted, including devices worn for a 24-hour period. Including time for providing instructions or conducting end of project interviews etc. results in an average burden of 25 hours for these respondents.

Wearable or mobile health data collection devices are increasingly being used in clinical and research environments as well as in personal settings. This project would investigate the feasibility of incorporating wearable blood pressure monitors among NHANES respondents. Before full implementation on the NHANES, information would be needed in several operational areas such as: measurement validity, data access and transfer, data storage, data processing, and acceptability to respondents. The list of wearable health monitors that could be explored as potential data collection tools continues to grow. Possible measurements could include: balance, cardiac rhythms, cortisol, physical activity, posture, sedentary behavior, sleep, blood pressure and weight etc.

