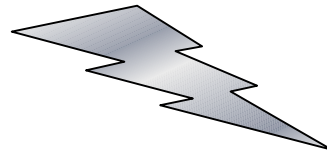
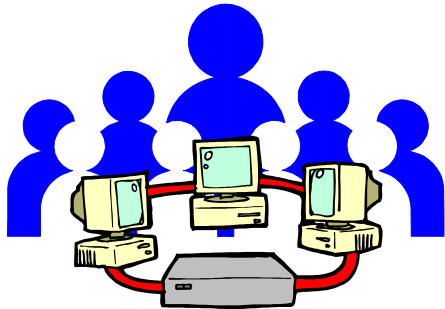


# DiaBetNet



MIT Media Laboratory



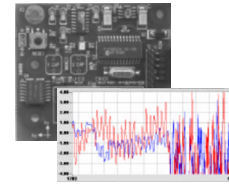
## Learning and Predicting for Better Health and Compliance

Wearable personal health systems can be used to help increase medical compliance, specifically for Type I diabetic children. Using a wearable computer that combines an accelerometer, glucose measurement device and a wireless PDA, diabetic children record their daily exercise levels, and log their insulin and carbohydrate data into a PDA.

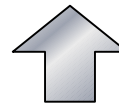
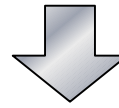
Through an interactive game, the children can monitor their blood glucose levels and predict their physiology based on history. While the game is simple, at the level of the network there exists both a competitive environment to challenge the patients to predict their levels better as well as a support community where the diabetics share their experiences. As a model, we feel this can be revolutionary in depicting how medical compliance, a multi-billion dollar question, can be tackled as well as how sustainable efforts towards improving personal health can be instituted.

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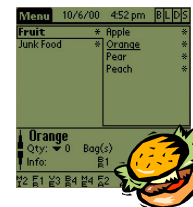
## Exercise



Accelerometer



## Food

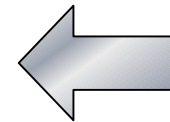


Carbohydrate counter

## Insulin



Insulin intake counter



## Glucose



Blood glucose monitor

