

Health Director's Report

January, 2015

Staff

- We've lost two great employees to UNC Hospital, had two nurses select to work in our newly created part-time positions, and we have a key CD nurse retirement next month, so the Health Department is recruiting for nurses! We'd appreciate any and all referrals.
- We also lost our Child Care Health Consultant, Debbie Hamlin-Aggrey to the state. We're proud of her and she did amazing work the 4 years she was with us. We're currently in discussion with the OC Partnership for Children to determine the most cost-effective way to provide this service to the community.
- Our new Finance and Administrative Services Director, Rebecca Crawford started January 20th and we're excited to have her on board.
- Speaking of FAS, Coby Austin performed admirably as the interim FAS Division Director (twice!) and was due to have her first baby mid-February. As with all things, Coby out-performed average pregnant women who need 9 months for such things and delivered a healthy baby girl a month early. Mom and baby are doing well and we will welcome Coby back to her "Tobacco Guru" position in late spring.

BOH Priorities

- I hope you saw or heard the news that the Carrboro Police Department has had a life-saving experience with Naloxone. They have been wonderful partners in this endeavor, and gave the Health Department multiple shout-outs during their press coverage of this event.
- The Family Success Alliance staff took a couple days off for the holidays, but have resumed their fast and furious work with the newly selected zones. Meredith will give you a more detailed update at the meeting.
- Chris Blue (Chapel Hill Police Chief) and I will be presenting a grant request next month to the ABC Board to fund a substance abuse prevention manager position to staff the Town/Gown alcohol task force. The Health Department, the Town of Chapel Hill and the University will fund half the position if the ABC Board agrees to fund the other half. Collaboration at its best.

Various

- Ebola has continued to be a significant drain on our CD nurses who have monitored 9 individuals between November and now. With two of the individuals being monitored, we were required to do daily home visits (during Christmas and New Year's for one person) and the rest required daily phone contact to check for symptoms. We went on high alert when one person being monitored developed a fever, but it was slightly below the worry-point for Ebola and resolved in 12 hours so hospitalization was required. There was also a CDC site-visit to our hospital that I

participated in and regular calls from the state. The state is applying for some funding for Ebola preparedness, but for those counties who had to monitor individuals, it won't cover all the costs associated with that work.

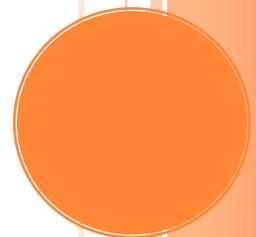
- I met with Jeffery Stickler who will be the head of the UNC Hillsborough Hospital. The hospital's emergency department won't open until July, but we are already discussing ways to collaborate to make the community healthier.
- We spent 4 days in December evaluating two vendors for the Central Permitting software. That evaluation process continues, but we hope to have selected the vendor in the next month. We expect to begin installation, training and actual use by the end of this calendar year.

ORANGE COUNTY
HEALTH
DEPARTMENT
INNOVATION GRANT

2014 END OF YEAR REPORT

2015 GRANT AWARDS

Submitted January 20, 2015



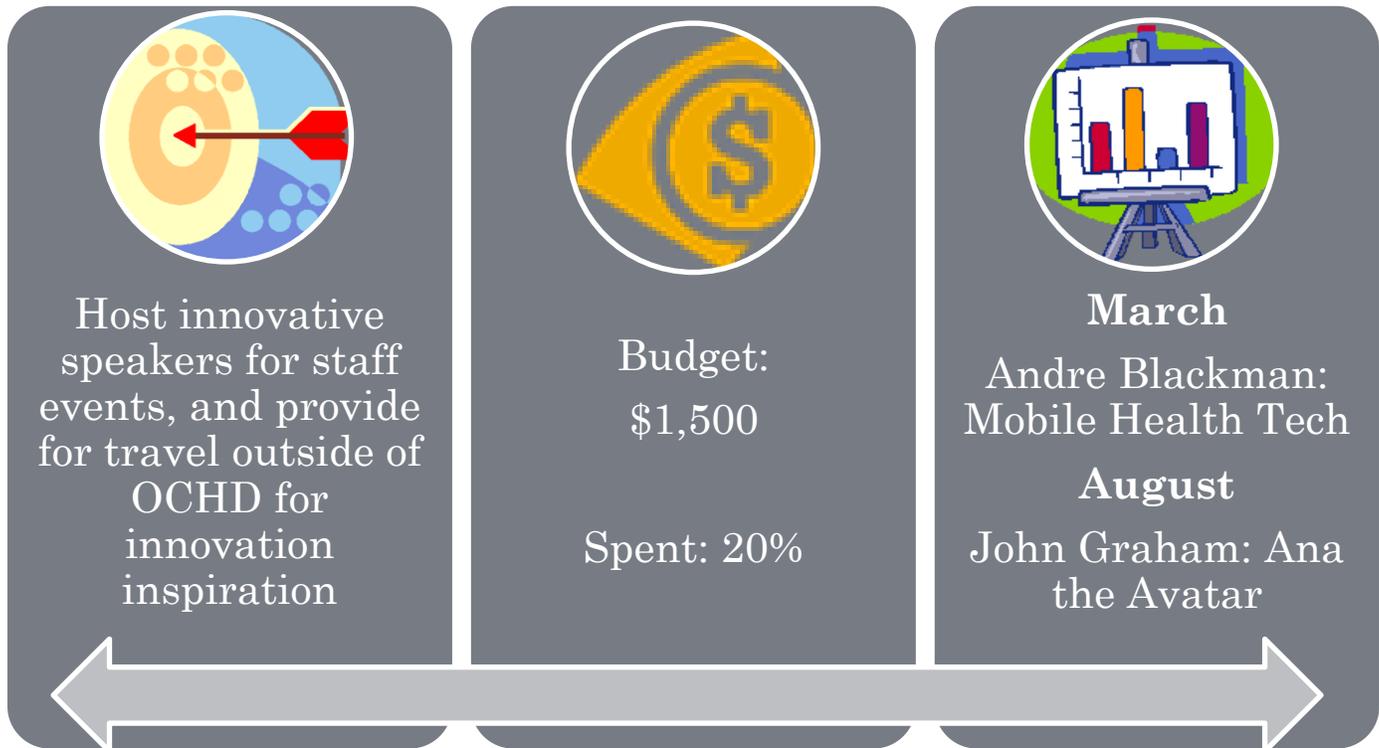
2014 Innovation Grants

The Innovation Grant Fund (\$20,000) was established when the Board of Health passed their Innovation Resolution in August 2012. Each year, staff submit innovative proposals to provide better care, better health, and reduced healthcare costs for Orange County residents. Projects run on a calendar year cycle. This report summarizes the 2014 projects which ran from January 2014 to December 2014.

The 2014 cycle funded eight (8) projects, as listed below.

Innovator(s)	Proposal Name	Grant Amount	Page
Stacy Shelp & Meredith Stewart	Innovation Inspiration Speaker Series	\$1,500	2
Susan Caceres Araya	Clinic Mobile Technology Integration	\$5,579.16	3
Stacy Shelp	Enhancing the patient and staff experience through the physical environment	\$3,500	4-6
Rhea Colmar	Home Visiting Tablets	\$2,000	7
Mike Fliss	Wearable Personal Health Technology	\$1,000	8
Kathleen Goodhand, Pascal Moore, Mike Fliss	Sit Stand Workstations	\$3,500	9-10
Mike Fliss	Garden	\$1,000	11
Meredith Stewart	Sportsplex	\$1,700	12
	Total 2014 Grant Funds	\$19,779.16	

Innovation Speakers Series

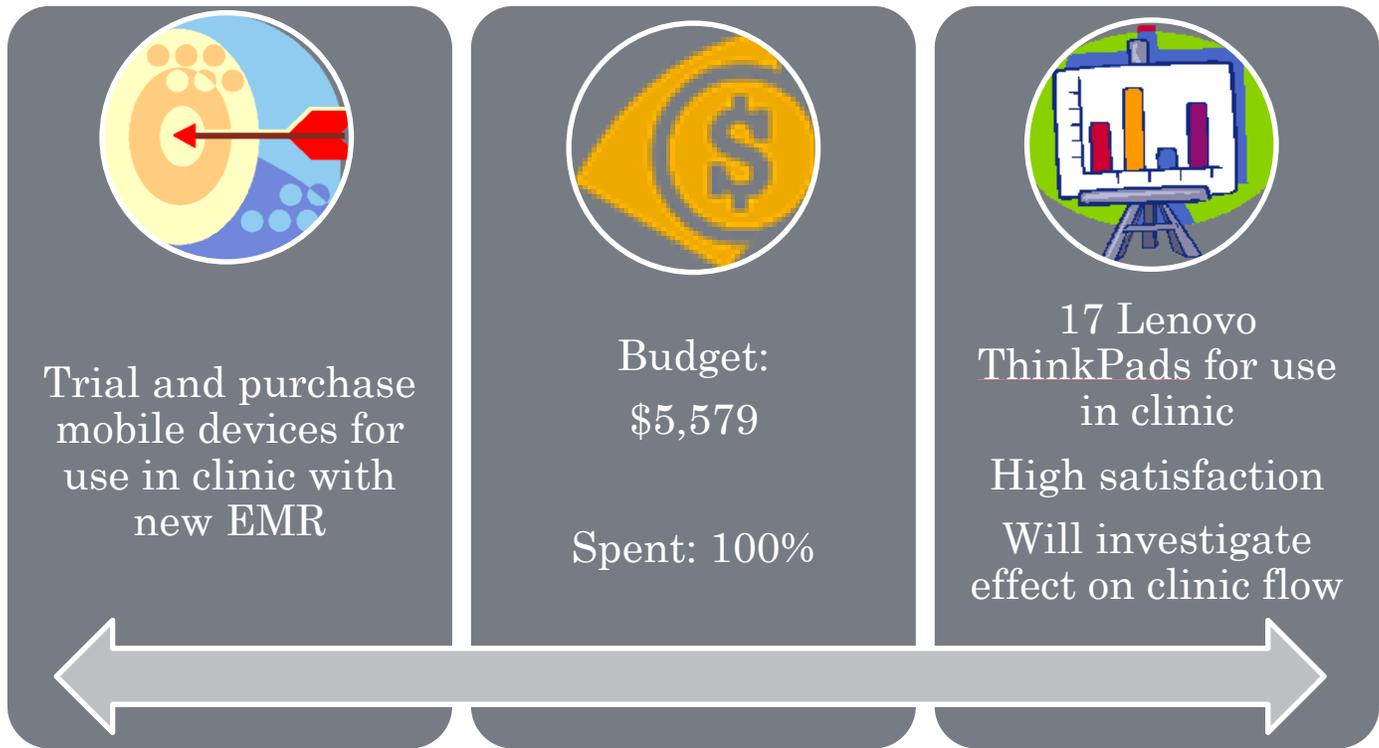


LESSONS LEARNED

The Innovation Speaker Series was challenging to implement due to the staff time and attention it took to find and “book” speakers. Also, coordinating staff schedules to ensure the event would not interfere with other staff priorities was difficult, outside of staff meetings.

Additionally, only one staff member took advantage of the opportunity for funds for mileage or registration fees to visit another workplace or event for “innovation inspiration.” This may point to 1) competing priorities in finding time to explore, 2) sufficient existing funding for training, and/or 3) lack of staff knowledge of the opportunity – despite efforts to inform through OCHD publications like Frontline.

Clinic Mobile Technology

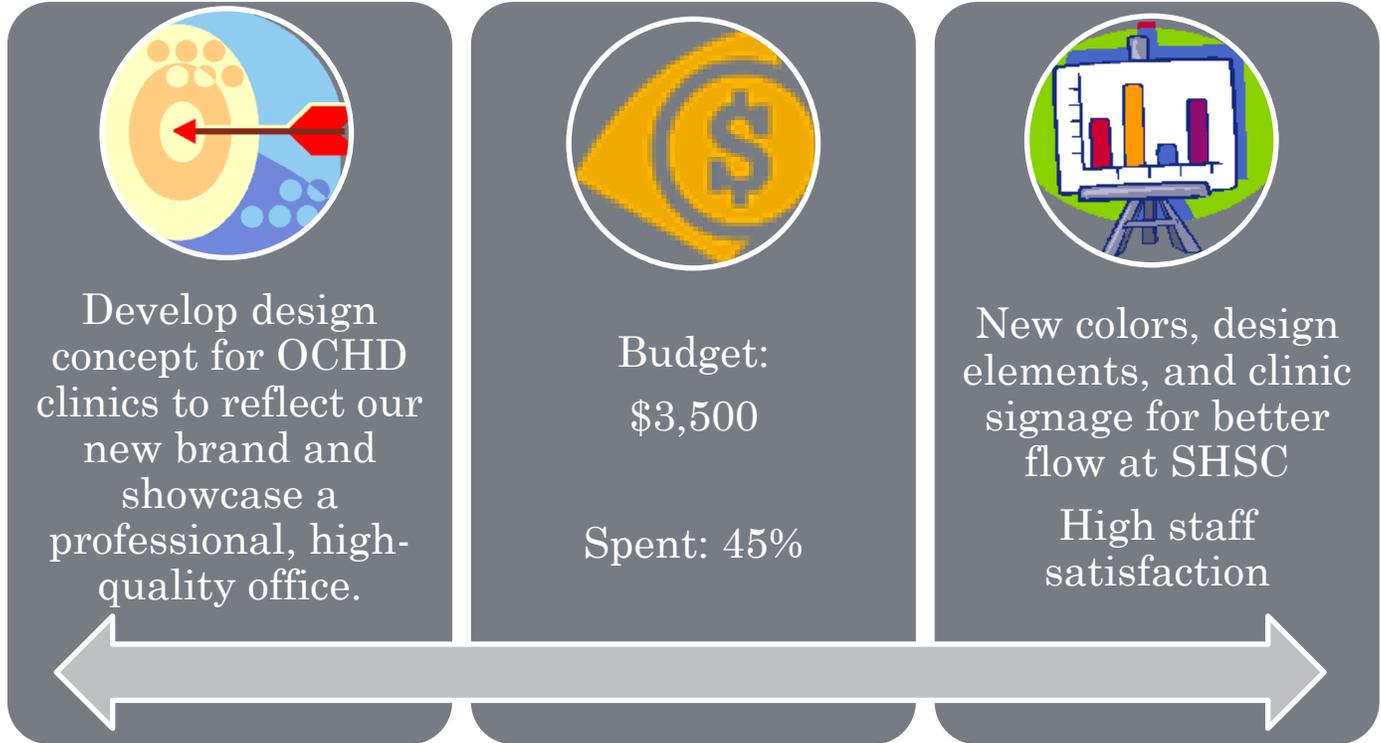


LESSONS LEARNED

Use of devices was generally well received by staff and clients, though formal evaluation of the devices and their effect on clinic flow or client satisfaction has not been investigated.

The initial timeframe between the grant and receipt of devices was 6 months. There were several IT challenges that needed to be addressed, including data security and WiFi connectivity. IT staff were willing to work with clinic staff as issues arose during this innovative process. It has served as a model for 2015 Innovation Grant projects that involve technology. It is recommended that IT be involved during the initial writing of the grant, and then as soon as possible for an implementation meeting to outline timeline, hardware needs, potential security issues, etc. following receipt of the grant.

OCHD Design



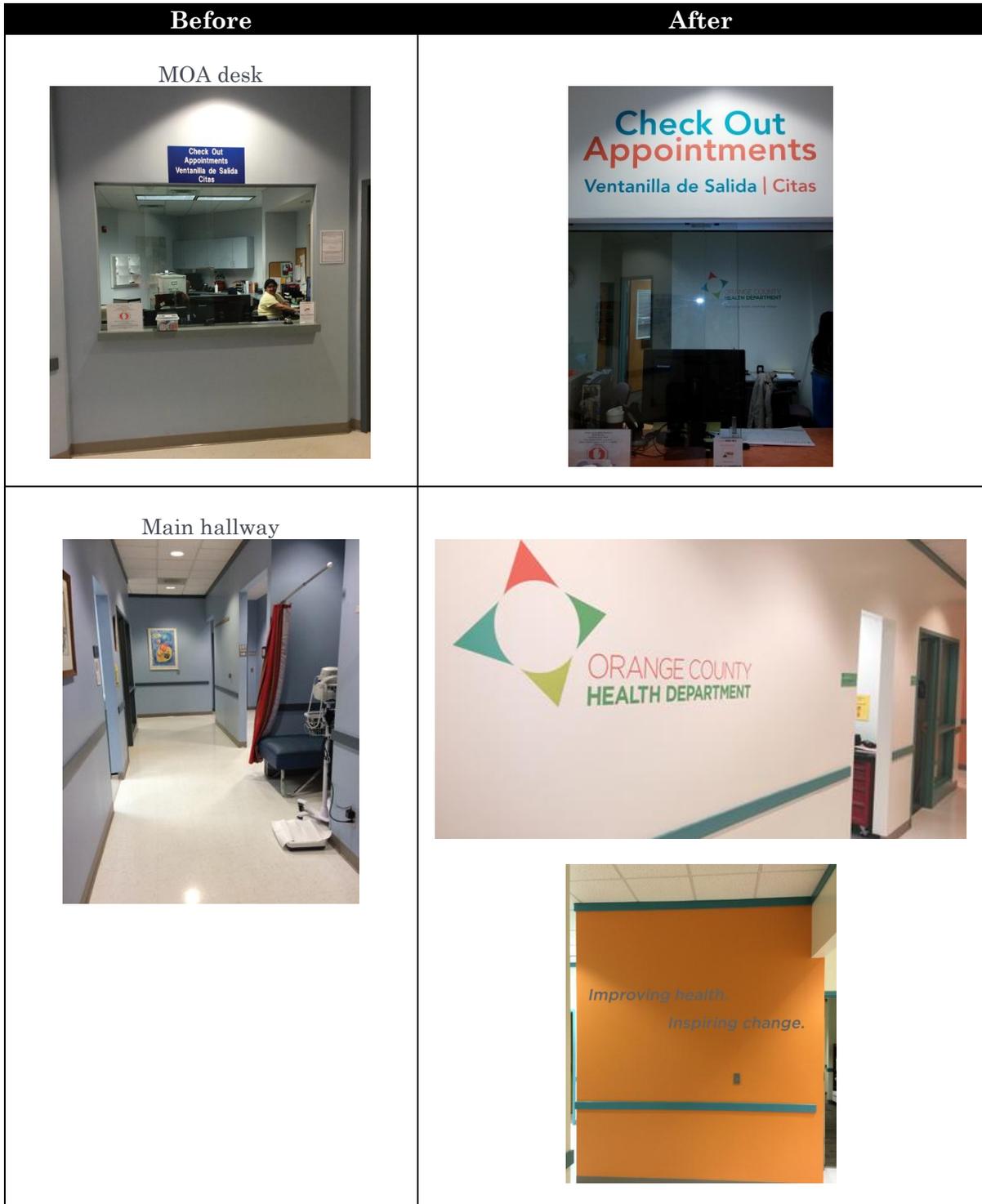
LESSONS LEARNED

Staff were satisfied with the design changes to SHSC. A survey of the 17 of the 26 staff members who work at SHSC showed:

- 94% liked the changes made to the color and design at SHSC
- 53% said the changes made them feel more energized at work
- 35% said the changes made them feel better about their job

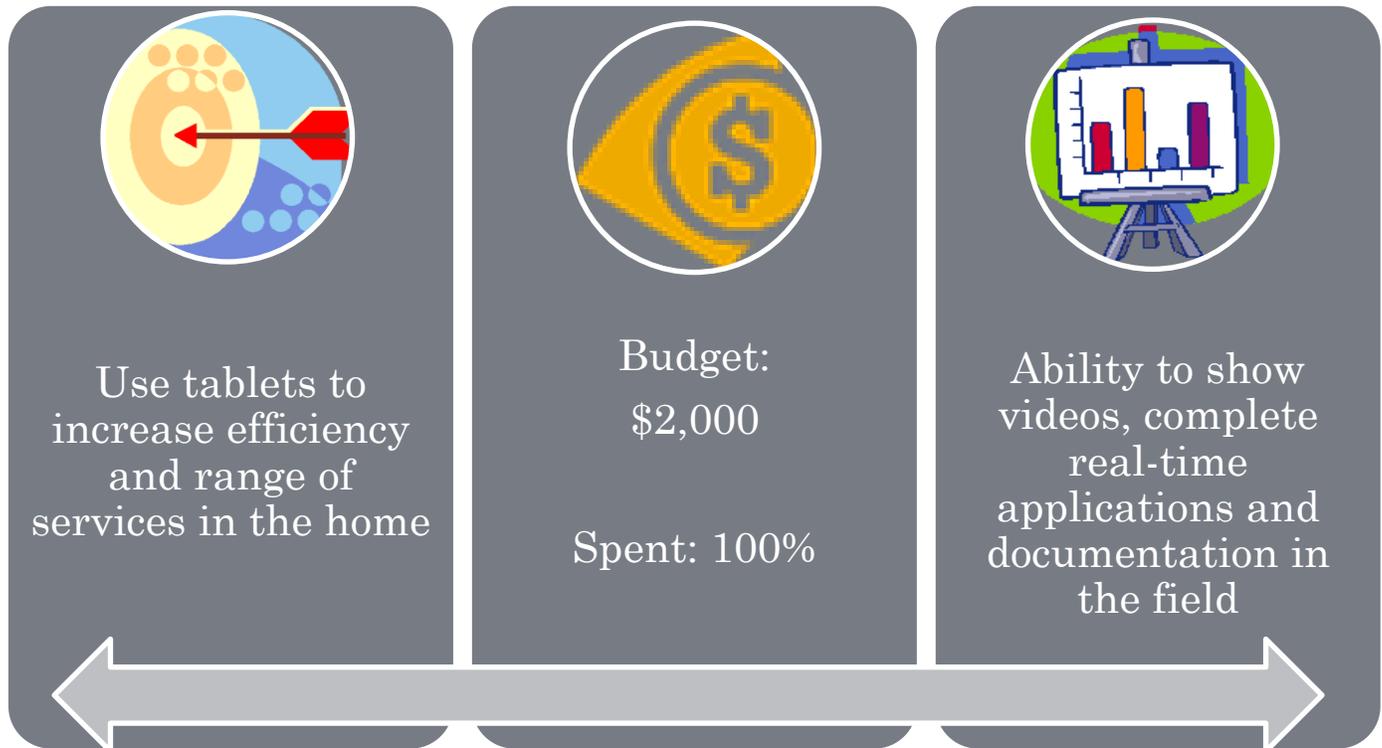
While the design process with the consultant was relatively simple, the project took longer than expected and faced multiple challenges due to inconsistent management and support from county AMS. A similar project will be starting at the Whitted Facility in 2015, and the project management will be modified based on lessons learned from the SHSC design and renovation.

Staff report positive feedback from clients, including that it looks cleaner, more welcoming, and “not boring anymore.”



	
<p>Internal lobby</p>	
<p>Staff work room</p>	

Family Home Visiting Tablets



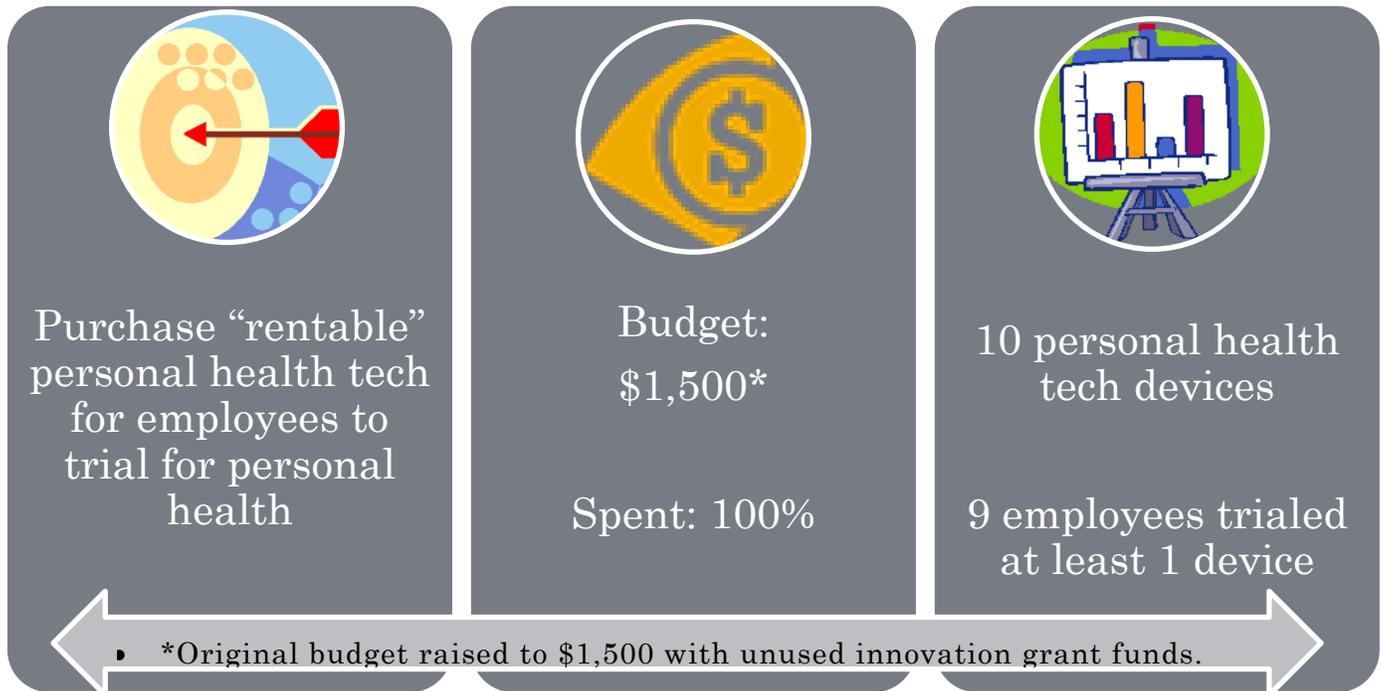
LESSONS LEARNED

Use of mobile technology was a great success for staff and clients. The use of tablets allowed home visiting staff to immediately access assistance for families such as DSS services, school enrollment forms, free phone programs and others.

In addition to accessing online forms and resources, staff appreciated having commonly used patient education materials uploaded to the device.

There were no significant challenges faced by staff in implementing this project. Involvement from management and IT early on in implementation was important in ensuring data security, hardware purchases, and implementation.

Wearable Personal Health Technology



LESSONS LEARNED



Staff who rented the devices had generally positive experiences. 5 out of 9 chose to purchase their own health devices after their trial.

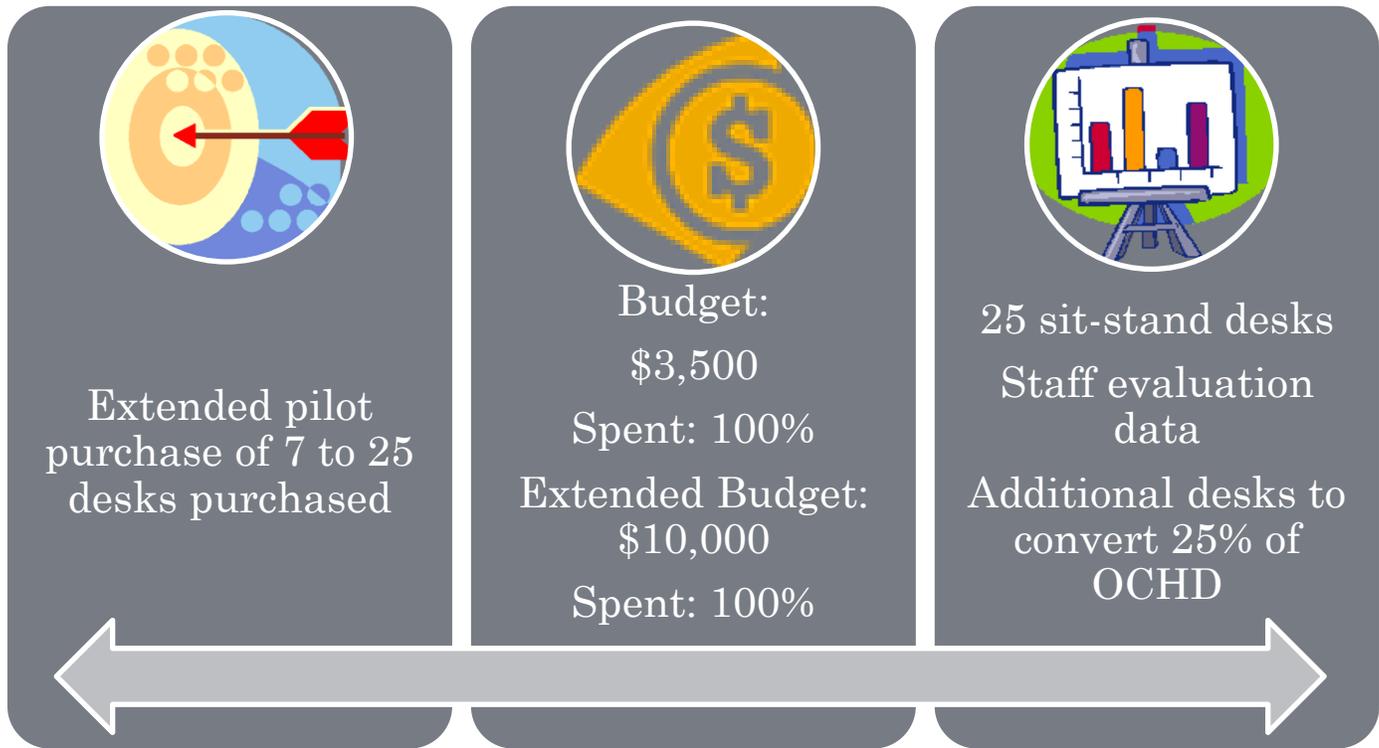


- I thoroughly enjoyed trying out the Jawbone UP 24 because I am for the first time aware of the number of steps I take and the quantity and quality of my sleep. I take real action based upon this information; for instance, when I get home and notice that I haven’t reached my goal of 10,000 steps, **I go for a walk.**
- I thought the features [of the B1] were great. I was definitely walking more and was **more aware of proper sleeping habits** while wearing it (going to sleep earlier, no tablet/tv while sleeping). Basis also has a good looking interface to use when looking at downloaded information.
- The app was detailed and useful: I was really encouraged by the motivational daily messages as well with the app and the data was easy to read.



Devices break and are misplaced. Management of the rental “library” does take staff time/attention.

Sit-Stand Workstations



LESSONS LEARNED

Qualitative results from pre/post surveys show pilot staff experiences were overwhelming positive. Staff reported an adjustment period while finding how much to stand without fatigue, and lessened pain from sitting.

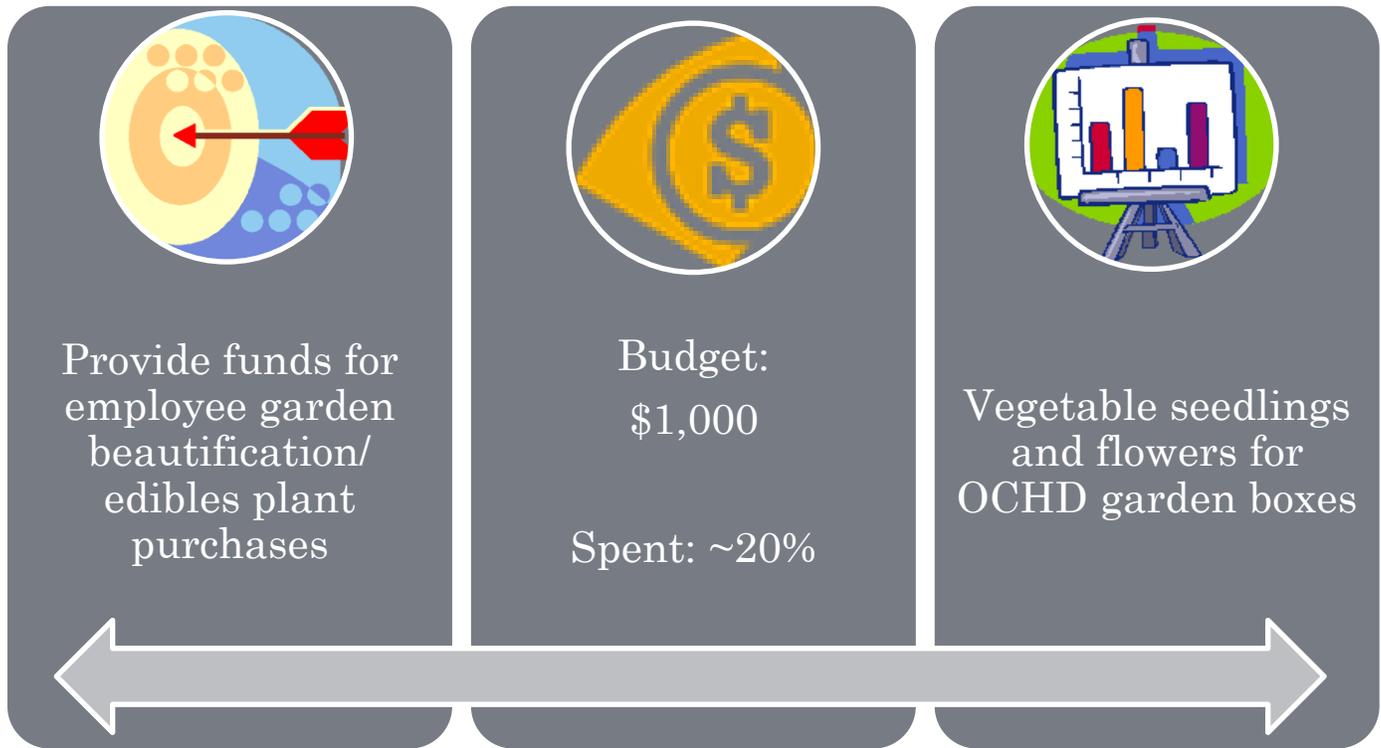
- **I love my sit/stand desk!** I have heard many colleagues talking about how much they love their new desks too. The support for these desks is a good example of the Health Department **taking the health of its employees seriously**.
- I love the sit/stand desk. I have become more aware of **how I am "holding" my body** - my position, my stance, my arms, shoulders, etc. The movement alone - sit/ stand/ walk to printer - is helpful in avoiding tense muscles and poor posture.

Quantitative results from daily logs of sitting and standing from pilot staff show:

- Sit-stand desks prevent on average 50% of at-desk sitting, with most staff at desk 2/3 of the day
- Sit-stand desks create micro-movements, with 3-4 up/down periods a day
- 25 sit-stand desks prevent ~17,000 hours of employee sitting a year

Questions remain about use for our clinic front desk staff (none were interested) and other clinic staff not regularly at desk workstations. This can hopefully be explored by future innovation grants.

Garden



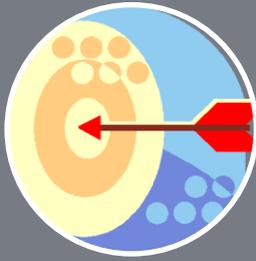
LESSONS LEARNED

Staff interest was relatively low, with only ~\$200 spent on garden purchases across both sites.

Even with planting guides and calendars provided to staff, only key point people utilized the funding and took on the effort of planting and maintaining gardens. Time was a major reported barrier to spending funds.

A small fund for general staff beautification could serve to keep gardens going with interested staff.

Sportsplex



Pilot changes to increase healthy food in public venues



Budget:
\$1,700

Spent: 100%



Matching funds for purchase of convection oven to replace fryer



LESSONS LEARNED

The matching grant provided an opportunity to make an environmental change that improves county and staff wellness with an outside partner.

Removal of the fryer from the Sportsplex was the biggest nutritional change recommended in an analysis conducted by a registered dietician. Snack bar offerings continue to improve based on dietician recommendations.

Challenges exist in working with an outside partner, particularly in getting quantitative data on sales to see pre/post implementation effects on food sales. Similar projects in future should budget more time for conducting qualitative/quantitative evaluation and marketing.

2015 Grant Awards

The 2015 cycle funded seven (7) projects, as listed below.

2015 Innovation Grant Initial Proposals		
Innovator(s)	Proposal Name	Grant Amount
Susan Clifford	Video Remote Interpretation (VRI) Software and Hardware	\$5,000
Victoria Hudson	Food Safety Quick Cards	\$1,750
Mike Fliss	Under Desk Elliptical	\$650
Donna King	Whitted Bike Share Program Pilot	\$3,250
Meredith Stewart	Interactive Online Publishing: Issuu	\$750
Denise Shaver	Innovation Book Club	\$1,650
Coby Austin	Mobile Technologies That Work: Quitting Smart	\$350
Total		\$13,400