



## pop up pack.

In the future, we speculate that because of advances in technology and medicine, people will be living for much longer and the population of the Earth will continue to increase. This will put a strain on the healthcare system and cause hospitals to be very overcrowded. In recognition of this possible problem, our project focuses on the idea of decentralizing hospitals to people's homes. The home provides a more comfortable place to get better and reduces the risk of getting viruses from other patients. We have designed a first-aid kit that provides loved-ones with the information and resources necessary to care for their sick family member. It also gives the caretaker materials to safely help without getting sick themselves.

The **Pop-Up Pack** will be discharged once a loved one is sick. The kit will be either delivered from the hospital or

bought at the drug store. It will be used as an at home medical kit for treatment and care for the patient. The kit includes a *pop-up hospital* to set up an isolation room in the bedroom, a digital diagnosis component which functions by (taking blood sample/scanning finger print/scanning body) and medication for the patient. The kit also — and importantly — includes information and materials for preventative measures to be taken by the loved ones of the infected person (gloves, masks, gowns, shoe covers, etc).

The pack is made of sturdy canvas for shipment without cover. Inside, supplies are tightly packed. Inflated supports form the skeleton of the *pop-up hospital*, with clear plastic sheeting creating the walls. The pack comes with a sealing bag for storage before it can be adequately disposed of.

### BIBLIOGRAPHICAL REFERENCES

Big Idea, Parade Giants Studio. "Inflatable Product Material." 2012. Web. 26 Oct. 2014.

Hicks, Lynn. "Biz Buzz: Brownells Kits Arm against Ebola." *The Des Moines Register*. Gannett, 20 Oct. 2014. Web. 26 Oct. 2014.

Jha, Alok. "A Deadly Disease Could Travel at Jet Speed around the World. How Do We Stop it in Time?" *The Guardian*. The Guardian, 09 Dec. 2013. Web. 26 Oct. 2014.

Landmark Creations. "Inflatable Fabric Types." *Landmark Creations*. 2014. Web. 26 Oct. 2014.

Lewis, David, and James Harding Giahue. "Home Care Kits Highlight Gaps In West Africa's Ebola Response." *Business Insider*. Business Insider, Inc, 20 Oct. 2014. Web. 26 Oct. 2014.

MedlinePlus. "Isolation Precautions: MedlinePlus Medical Encyclopedia." *MedlinePlus*. February 2014. Web. 26 Oct. 2014.

Salzberg, Steven. "Anti-Vaccine Movement Causes The Worst Whooping Cough Epidemic In 70 Years." *Forbes*. Forbes Magazine, 23 July 2012. Web. 26 Oct. 2014.

Seed, Jo. "Imperial College London takes the best of British healthcare to China." *Imperial College London*. 19 August 2013. Web. 26 Oct. 2014.

Swan, Hobart. "Sickness & Sacrifice." *H&N: Hospitals & Health Networks* 71.6 (1997): 32. Academic Search Complete. Web. 26 Oct. 2014.

University of Mississippi. "Responsibilities For Carrying Out Isolation Precautions." *University of Mississippi, Medical Center*. 2014. Web. 26 Oct. 2014.

World Health Organization. "Frequently Asked Question on Ebola Virus Disease." *World Health Organization*. 8 August 2014. Web. 26 Oct. 2014.

