**• Describe your solution**:

In March 2013, our hospital’s Women’s Cancer Program implemented *Research for Her*, a pilot study evaluating the use of an in-house, web-based registry to help match patients to potential clinical trials. Women were able to participate after completion of an online consent and health questionnaire, both accessible on a subpage of the program’s website. An automated querying mechanism was used to determine eligibility for potential studies based on data entered into questionnaires. Participants were then contacted directly with potential opportunities, and the database was queried on an ongoing basis. To date, 560 women have signed up, and 114 have been matched to studies.

However*, Research for Her* included patients with and without cancer, and our analyses revealed that most subjects were linked to non-therapeutic studies, such as banking or screening/prevention studies. To address increasing awareness of and access to therapeutic clinical trials, we have come up with a new solution to expand the project: first, we will make the study available to men as well (*Research for Us*); second, we will place it on one of the most high-traffic areas of our hospital’s website to increase visibility; third, we will focus the study’s educational initiatives on therapeutic clinical trials.

• **How will you do it?**

Since we will be expanding an already existing model, many of the *Research for Us* study start-up activities have already been achieved. However, two significant changes will be implemented: the landing page for the study on our hospital’s website, and an overhaul of the study’s data capture system.

* **Where will you implement it?**

We plan to feature the *Research for Us* link on our medical center’s patient-facing electronic medical records portal. All patients are granted access to this secure website, and because of its functionality (can view records, request prescription refills, message physicians and pay medical bills), it is heavily utilized.

* **How does it work?**

The *Research for Us* link and a brief description will be featured on the landing page for the hospital’s online patient portal. After clicking on the link, prospective participants will be directed to an internal landing page to learn more about the study. In addition, this page will feature FAQ’s about cancer trial participation, a clinical trial awareness video, as well as direct contact information for the medical center’s cancer trial nurse navigator. If patients opt to participate, they will consent online using DocuSign®, a secure and IRB-approved means of obtaining informed consent. Patients will then be prompted to complete a health questionnaire and demographic information. Consent will also enable study staff to access the patient’s medical records if additional information regarding disease/treatment history is needed to determine potential trial matches.

* **What does it look like?**

To focus more on awareness and recruitment to therapeutic trials, we have revised the cancer-focused questionnaire to reflect current trends in eligibility criteria (such as tumor genetics/molecular markers), and we will move to a REDCapTM electronic data capture system. The patient data will then be automatically queried to generate reports of potential matches. Once a potential trial match has been identified, the patient will be sent a secure message through our online patient portal, which will contain basic information about the study and direct contact information for its nurse/coordinator. In addition, patients will received either a follow up email or phone call, per their preference. REDCapTM will also be programmed to reach out to patients to collect updated information about additional cancer treatments and recurrences.

• **Who will be involved (stakeholders)?**

Dr. BJ Rimel, the Principal Investigator of *Research for Her*, will lead the expansion to *Research for Us*. Furthermore, our cancer institute’s Clinical Research Office will involve all physician investigators in the process. Lastly, focus groups with study participants will be conducted to assist in the refinement of web-content and development of collateral materials.

• **How much will it cost to create/implement the solution (an estimation)?**

Based on the cost to implement *Research for Her*, we anticipate $50,000 per year will be necessary to cover the costs of the proposed expansion to *Research for Us*.

• **How many people will be impacted?**

There are approximately 6,000 *new* cancer patients seen at our center each year, in addition to thousands more currently under treatment, all of whom will have access to the online secure patient portal. As this online tool attracts a large number of patients due to its convenience and functionality, we anticipate that we can enroll about 1,000 participants each year. If we estimate a 15% linkage rate based on the previous success of the *Research for Her* program, we would link 150 patients per year to clinical trials (we will track these accruals through our online clinical trial management system).

Moreover, as many hospitals have moved to electronic medical records and have launched patient portals to increase access to health information, this proposed solution could be adapted to any number of institutions world-wide, which we hope would have a significant impact on clinical trial accrual overall.

• **How long will it take to create the proposed solution?**

As *Research for Her* has already been implemented and *Research for Us* is an expansion of this study, we anticipate it will take 3-6 months to develop and receive approvals for the new web content, and expand the REDCapTM database. We should be able to begin accruing participants to *Research for Us* within 6 months.

**• Why will it work? Why is it viable?**

We feel that this solution will work because the *Research for Her* model successfully matched 15% of participants with a clinical study. For the *Research for Us* expansion, we will focus more on awareness of and access to therapeutic cancer clinical trials, and increasing patient understanding of clinical trials as viable treatment options and important steps toward advancing cancer treatment.