

Design Research

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Introduction

- a short introduction describing the aims of your research (100 words max) • initial research questions
- brief description of research process (i.e. web research, SME interviews, publications/papers – whatever you did)
- your key research findings (you might have different categories of findings – feel free to categorize if so).

Your research is an opportunity to look into the “world” of the hospital gown. Where it is used, by whom, for what purpose.

Private Healthcare Industry

- The global Private Healthcare market was valued at 5198.99 billions in 2021 and is projected to reach US\$ 7623.31 billion by 2028, at a CAGR of 6.1% during the forecast period. (1)
- Global Private Healthcare Market to Reach \$7.4 Trillion by 2027. Amid the COVID-19 crisis, the global market for Private Healthcare estimated at US\$4.7 Trillion in the year 2020. (2)



Naturopathy In Canada

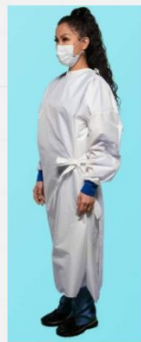
- The more than 2,400 naturopathic doctors across the country continue to be an emerging answer to Canada's health care concerns. (3)
- Demand for Naturopathic Physicians is expected to go up, with an expected 13,330 new jobs filled by 2029. This represents an annual increase of 4.11 percent over the next few years.(4)
- The World Naturopathic Federation (WNF) estimates 75,000–100,000 naturopathic practitioners practice in 81 countries, with over 90 educational institutions providing naturopathic training (5)

Gown Information

- Hospital Gowns Market Size Worth \$4,542.67 Million, Globally, by 2027 at 7.2% CAGR (6)
- A peer-reviewed academic study, published to little notice amid the coronavirus pandemic, found that isolation gowns commonly worn in medical units or intensive care units ripped too easily and allowed about four to 14 times the expected amount of liquid to seep through when sprayed or splashed.(7)



Existing Gowns



Disposable Exam Gowns

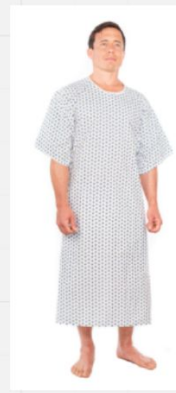
- Tissue/poly/tissue
- Blue
- Size: 30" x 42"
- #001-SC731

case of 50



Unisize Reusable Cloth Patient Gowns

- #920-30000 blue
- #920-30001 aqua green
- #920-30003 pink
- #920-30005 white
- #920-30007 yellow



Interviewing A Naturopath

Interviewing a Naturopath

About You Questions:

- How long have you been practicing medicine?

6 Months

- Where do you practice (Name and Location)

CCN Robert Stinet Naturopathic Clinic (CCNM School)

- Can you do procedures through clothing by acupuncture excetera and would you ever? If so, how would that work?

NO
• Can Not Sanitize

• Manipulations of Spines

- Does heat play a beneficial role in acupuncture ?
- Do you find you have to ever warm up someone's body before a procedure?

• could be
• Hot packs
• Heat packs in water

Environment Questions:

- What is the temperature of the rooms ?

Summer - Warmer Hot

(Older building)

- Do you find your patients are cold or hot in temperature?

- often cold
- alot of naturopathic patients

- Do you have a waiting room ?

• Medium white Clinic

- Does the patient wait for you in the room before you meet with them ?

Bring them in to you

- How would you describe the environment in the clinic?

- Older warm earthy plants
- A bit run down

- Do you ever deal with language barriers or other barriers when helping patients? If so, what are they and how do you overcome them?

• Speak with Bryan (English is second language)

• Refused Bring someone

• Jungle translate

• Wheel chair / walkers

- Do you record the patient's blood pressure using an arm assessment tool ?

Yes

- How do you typically access the arm or other parts of the body that are covered ?

- Skin contact

- Do your patients wear undergarments or underwear during the procedures?

• Some

• Depend on procedure

New Design Questions:

- Do you feel audio or video instructions would help your patients with their gowns?

• Just tell them

• Non-time taken

- What fabrics and materials do you recommend I use or stay away from? (Magnets, Metals plastics, Fleece, Bamboo Etc)

- Flammable

- Fuzzy or bulky

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- Are there any materials you typically recommend to patients that give better health benefits?

• Natural Fibers

• Cotton

• Linens

- What would you like to see in the new redesign?

- Easy access for Acupuncture
- 2 separate parts (pants, skirt)

- Is there any information you would like to add that you feel would benefit the designers of the new patient gown?

(questions you wished I had asked, design suggestions, design must haves, sketches, problem areas you see with the old or redesign)

- Colours of Gown

No-white
They use oils for massage
No bright

* Grey
* pastel

Current Patient Gown Questions:

- How many patient gowns does your clinic have?

- 100's
- Hundreds of Nitrile gloves

- Do you feel the current design is easy for patients to use and put on?

- Older struggle to dress
- Open to the front

- How much if any instructions are required to guide patients through putting on the gown?

Smiling if need

- Do you find the current design gets in the way of your procedures if so in what way?

- Blood pressure
- Under arms
- Abdomen and legs at same time

- What do you like and don't like about the current design of the patient gown?

- Easy to put on
- They generally know how to put on
- Easy to wear
- Lots of body sizes

- What level of access do you need to the patient after they're in the gown?

- Acupuncture OK for full body access
- Dress is not great for just abdomen work

- What type of biohazards do you encounter?

- What is the procedure for cleaning them?

- Biohazard Bin
- IV, Acupuncture, Ppl, needles
- Gown goes in Laundry after
- use alot of sheets (more on sheets the gown)

- What are your cleaning practices for gowns?

- Go off to a laundry service

- Do you know how long the current design lasts? What is its life cycle?

- old and ratty
- Every wear is ratty

Thank you !

Sources

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7. The Insight Partners. "Hospital Gowns Market Size Worth \$4,542.67 Million, Globally, by 2027 at 7.2% CAGR - Exclusive Report by the Insight Partners." GlobeNewswire News Room, The Insight Partners, 16 Dec. 2021, <https://www.globenewswire.com/en/news-release/2021/12/16/2353988/0/en/Hospital-Gowns-Market-Size-Worth-4-542-67-Million-Globally-by-2027-at-7-2-CAGR-Exclusive-Report-by-The-Insight-Partners.html>.
8. Kelman, Brett. "Widely Used Hospital Gowns Show Signs of Exposing Workers to Infection." Aja, The Atlanta Journal-Constitution, 14 July 2022, <https://www.ajc.com/pulse/widely-used-hospital-gowns-show-signs-of-exposing-workers-to-infection/ASYMYECEKFGN5NALHC6N4HNDFI/>.