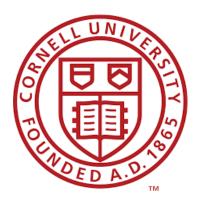
USER JOURNEY MAPPING:

A USER-PRODUCT INTERACTION METHOD TO EVALUATE AND INFORM SOLUTIONS TO IMPROVE MEDICATION ADHERENCE FOR OLDER ADULTS WITH DEMENTIA



ADVISOR: DR. RANA ZADEH

EDRA53: HEALTH IN ALL DESIGN

ANNE J. CRAMER, MS CANDIDATE, HUMAN ENVIRONMENT RELATIONS

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Sue Baker Safety by Design initiative

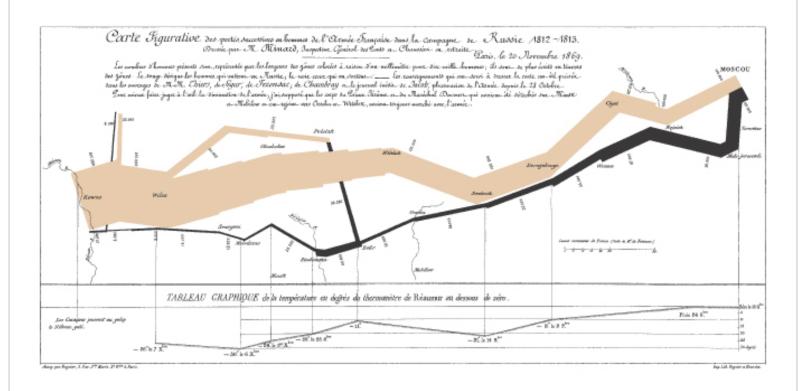
Pls: Zadeh, R., Reid, C., Szaja, S., Shields, W., Wethington, E., Capezuti, E.

INTRODUCTION

- Medication adherence is critical to quality of life for older adults
- For those with dementia, mistakes such as overdosing or forgetting to take medication can lead to:
 - Unintentional negative clinical outcomes
 - Rising costs of healthcare utilization
- A common approach for caregivers is to find a device or system to help their loved ones manage their medications
- The user experience in searching, reviewing, selecting, and using such devices is complex
- User journey mapping is a visual representation of the alignment of products to user needs to create relevant, engaging and rewarding experiences

Medication misuse, abuse, and diversion:

- Compliance rates range roughly from 38%- 57% with an average rate of less than 45%.
- 40-60% of patients could not correctly report what their physicians expected of them 10-80 minutes after they were provided with the information
- Over 60% of patients interviewed immediately after visiting their doctors misunderstood the directions regarding prescribed medications.



Cluries Joseph Minurd

This classic of Chasles Joseph Minard (1981–1894), the French engineer, shows the terrible fitte of Napoleon's army in Bamin. Described by E. J. Marcy at seeming to defy the year of the histories by it beated eloqueste, this combination of fitts maps and time-service, distors in 169, portrays the deventating looses millitered in Napoleon's Hussian campaging of this. Biggianting at the left on the Polah-Hussian border near the Niemen River, the thick hand shows the size of the army (120,000 mm) as it invoked Bamin in June 501. The width of the band indicates the size of the army at each place on the map. In September, the army mathed Moscow, which was by then sized and deserted, with too, no man. The path of Napoleon's nemar from Moscow is depicted by the darkets, lower band, which is laked to a sunpentrum

scale and dates at the bettern of the chart. It was a hitterly cell winter, and many force on the march out of Russia. As the graphic shows, the creeings of the Benerica River was a distant, and the army foully struggled back into Polsad with only scoon ones remains.

[10] Allow shows me the movements of smalling troopy, as they sought to proceed the rust and the fault of the structural gramp. Manager graphs tells a rich, coherent story with its malriculate data, for more enlightening than just a single number bouncing along over time. See vanishes are platted: the size of the samp, its location on a two-dimensional surface, duration of the samp's nearestent, and temperatures on various dates during the moras from Moscow. It may well be the statistical graphic over drawn.

Edward E. Tode, The Hand Display of Quantitative Information - Gasphin Press Box 410 Claridate, Commutative 19610

EXPERIENCE VISUALIZATION:

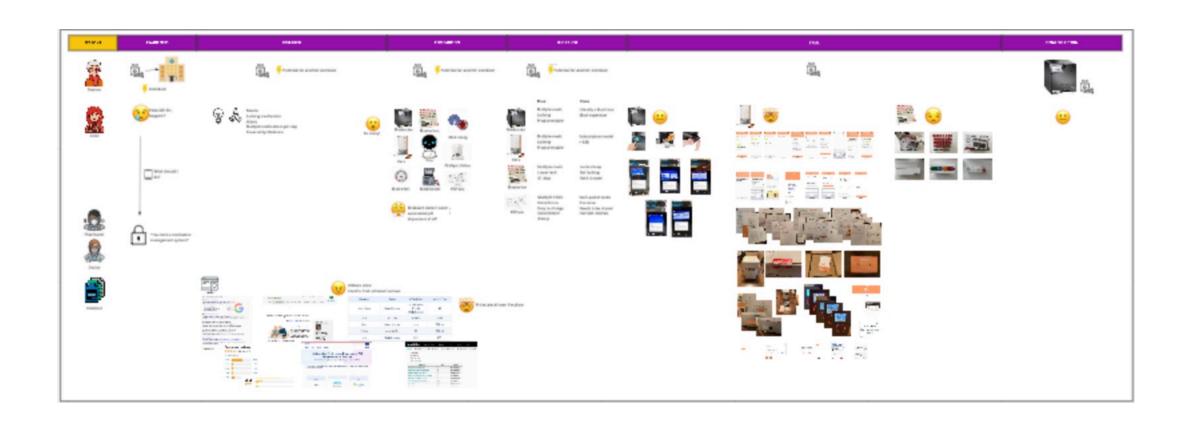
NAPOLEON'S MARCH TO (AND FROM) MOSCOW

METHOD: USER JOURNEY MAPPING

- User Journey Mapping is representative of:
 - Where the user touches the product
 - Where the product touches the user
 - How they interact with each other
 - The multiple interaction points of a user's engagement with the product/company/organization
 - Why the user is seeking interaction with the product/ company/organization
 - The user expectations, needs, and perceptions of their experience with the product

- Common Terminology
 - Touchpoints: This is the moment where process, systems, data or emotions intersect. This is often the 'fault line 'between the product and the user
 - Moments of Truth: This is a key moment to enabling an action or getting a result and is often an emotional point where the user decides to stay or go
 - Interactions: The activities in which customers engage. Any business supports dozens, if not hundreds of interactions.
 - Experiences: The sum of what the user takes away from the interactions and touchpoints they've had with you. An event, with a beginning, middle, and end. Users always have an experience (good, bad, or indifferent)

DISCUSSION: USER JOURNEY MAP



CONCLUSION: THE NEED FOR SYSTEMS APPROACH TO MEDICATION ADHERENCE

- Enlisting all stakeholders:
- Understanding costs of intervention
 - **■** Education
 - Technology
 - Support Network
- What are the costs of doing nothing?

