



Team

1/3 of the Earth



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The year 2020 has begun in the worst way imaginable. A new coronavirus (COVID-19) was discovered.

It rapidly spread in almost all countries over the world, causing in many of the infected a severe pneumonia infection that often led to fatal events in the elder and more fragile population. The particular ability of the virus to reproduce itself among humans brought many governments to adopt new policies and rules to contain the spread of the infection, trying to prevent as much death and damages as possible. In most countries, social distancing have been adopted. According to the CDC¹, a physical distance of at least 2 meters (about 6 feet) is required to prevent contagion. Also, everyone is required to wear a protective mask while outside their own household.

The new policies also caused a psychological distance among people, and the combination of mental and physical distance led to the transformation of many of the human environments and the way we interact and approach with other people.

As a full recovery for all countries still seems so far, the world is searching for new solutions to bring humanity to a "new" normal life.



Photo by @jhopkinswriting via Unsplash.com

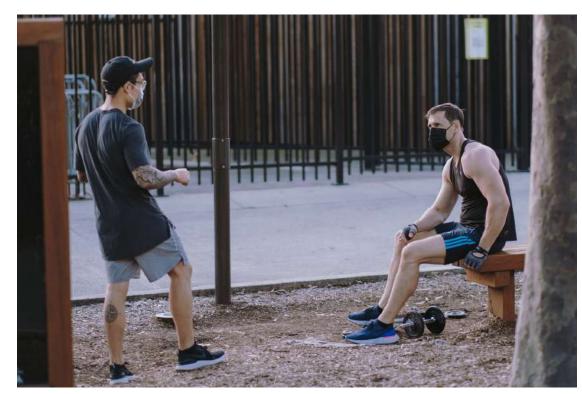
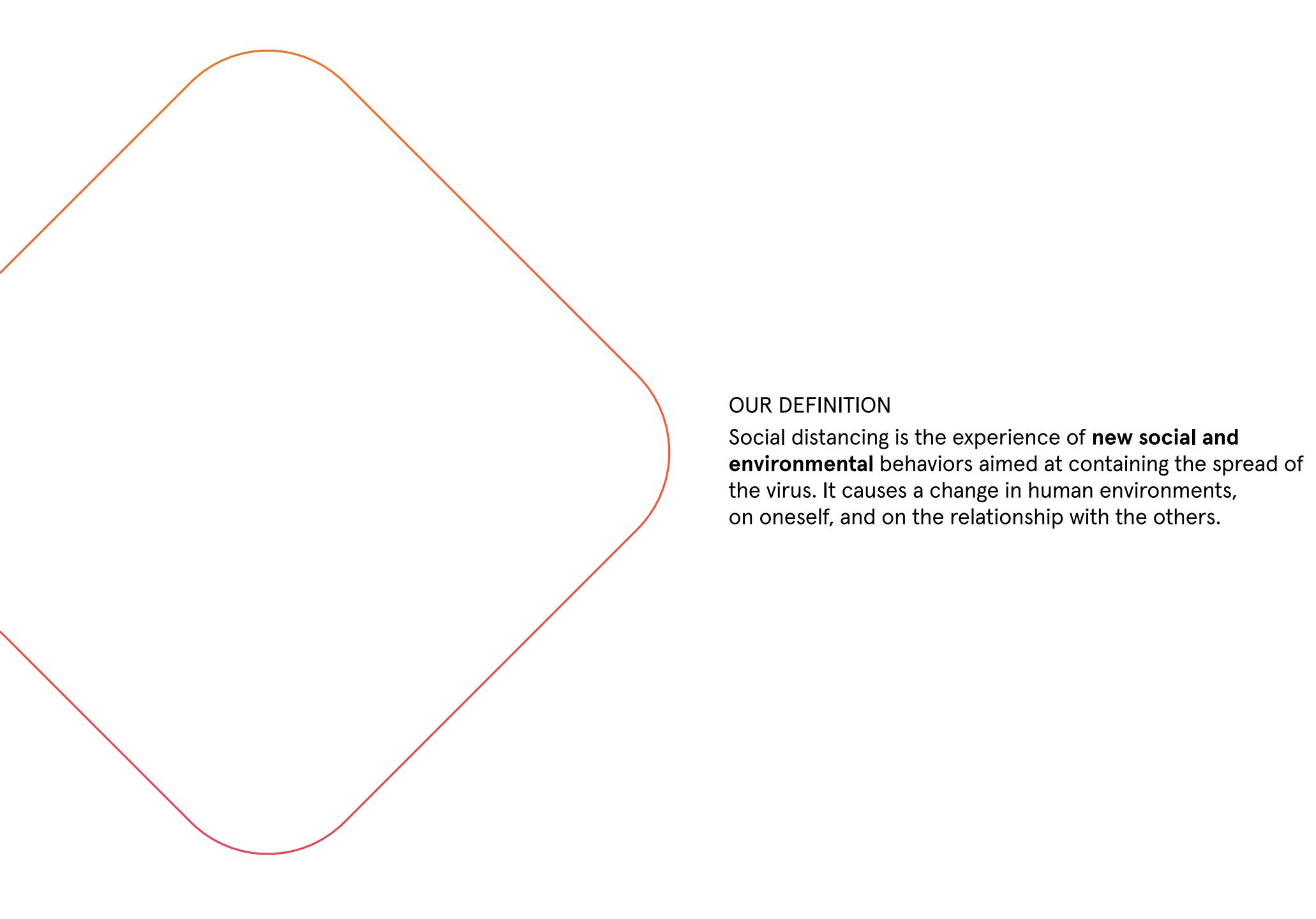
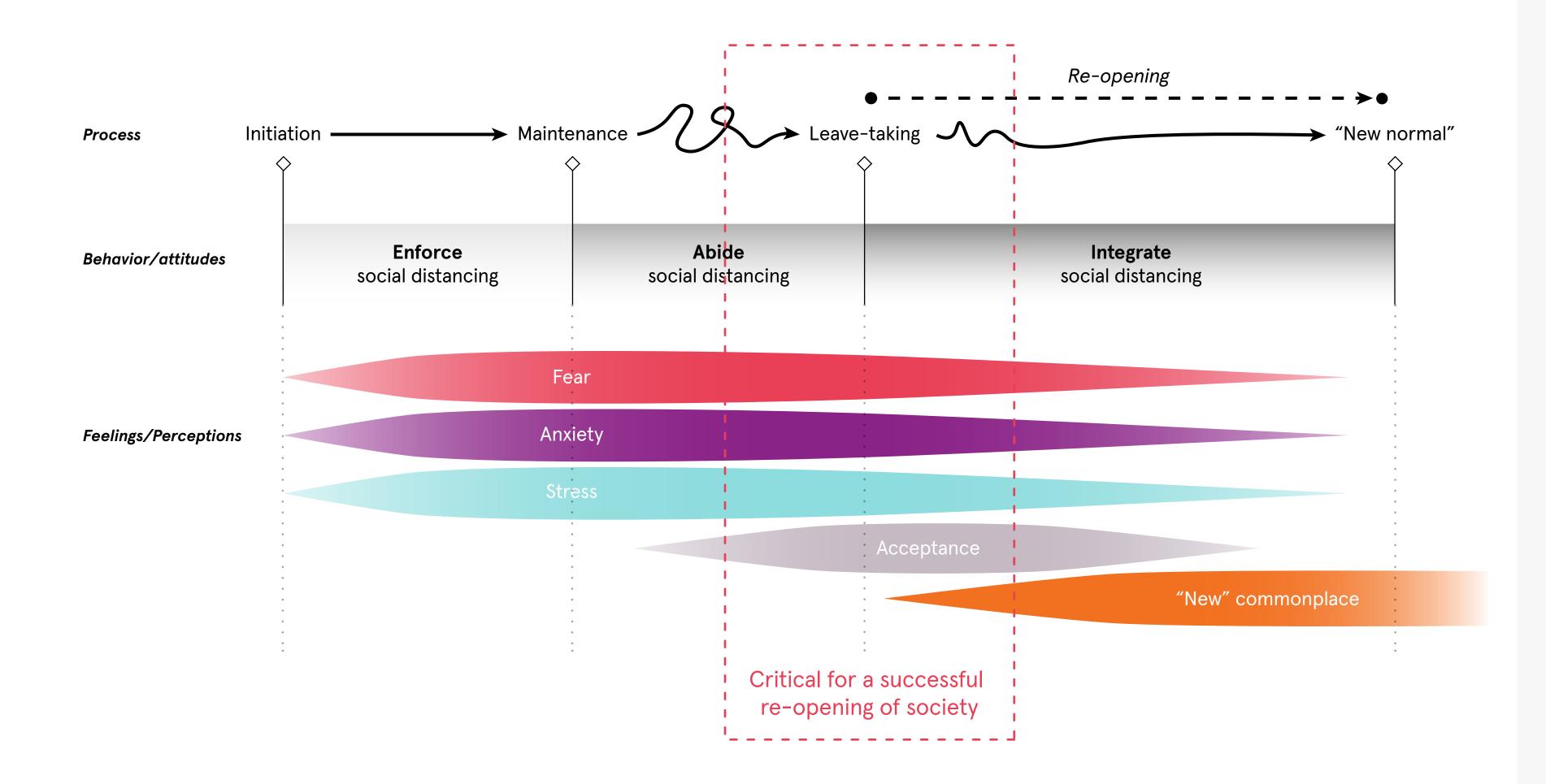


Photo by @katetrifo via Unsplash.com



Photo by @thekiranbedi via Twitter.com





DESIGN CHALLENGE

Given by professor Kaja Tooming Buchanan

How to make the transitional process of *leave-taking* from the maintenance of social distancing *less stressful and safe*, so that the initiation of *re-opening* the society (businesses, schools, etc.) reduces the *fear and anxiety* of people.

Figure 1. Interpretation of Design challenge. Based on the design brief by Kaja Tooming Buchanan and theories from McKeon and Erving Goffman.

Create an integrated, fulfilled experience based on a supportive environment for a more fluent leave-taking of social distancing, enabling elderlies to reduce anxieties and fears while keeping safety and trust in their home.



Discover		Development	
	Literature Review		Storytelling
	Concept Mapping		Stakeholder Analysis
	Evidence Mapping		Brainstorming
	Interpretion of Theories		Persona Creation
	Environment Scanning		Service Blueprinting

Theoretical Framework / List of theories

Buchanan, Richard, "Surroundings and Environments in Fourth Order Design." Design Issues. Volume 35, Number 1, Winter 2019.
Dewey , John, "Having an Experience." In Art as An Experience. New York: Capricorn Books, 1958.
Goffman, Erving, "Facial Engagements." In Behavior in Public Places. New York: The Free Press, 1966.
Spinoza, Ethics: Preceded by On the Improvement of the Understanding. Ed. James Gutmann. New York: Hafner Press.
Hall, Edward T., The Hidden Dimension. New York: Anchor Books, 1969.
Whitback, Caroline, "Introduction to Ethical Concepts." In Ethics in Engineering Practice and Research. Cambridge University Press, 1998.
Kotler, Philip, "Humanistic Marketing: Beyond the Marketing Concept, in "Philosophical and Radical Thought in Marketing", Lexington Books, 1987.
Williams , Raymond, "Dominant, Residual, and Emergent." in Marxism and Literature, Oxford University Press, 1977.
Freud, Sigmund, "The Unconscious" and "Anxiety." in Solomon (Ed.), "What Is an Emotion? Classic and Contemporary Readings. New York: Oxford University Press, 2003.

Theoretical Framework / Overview

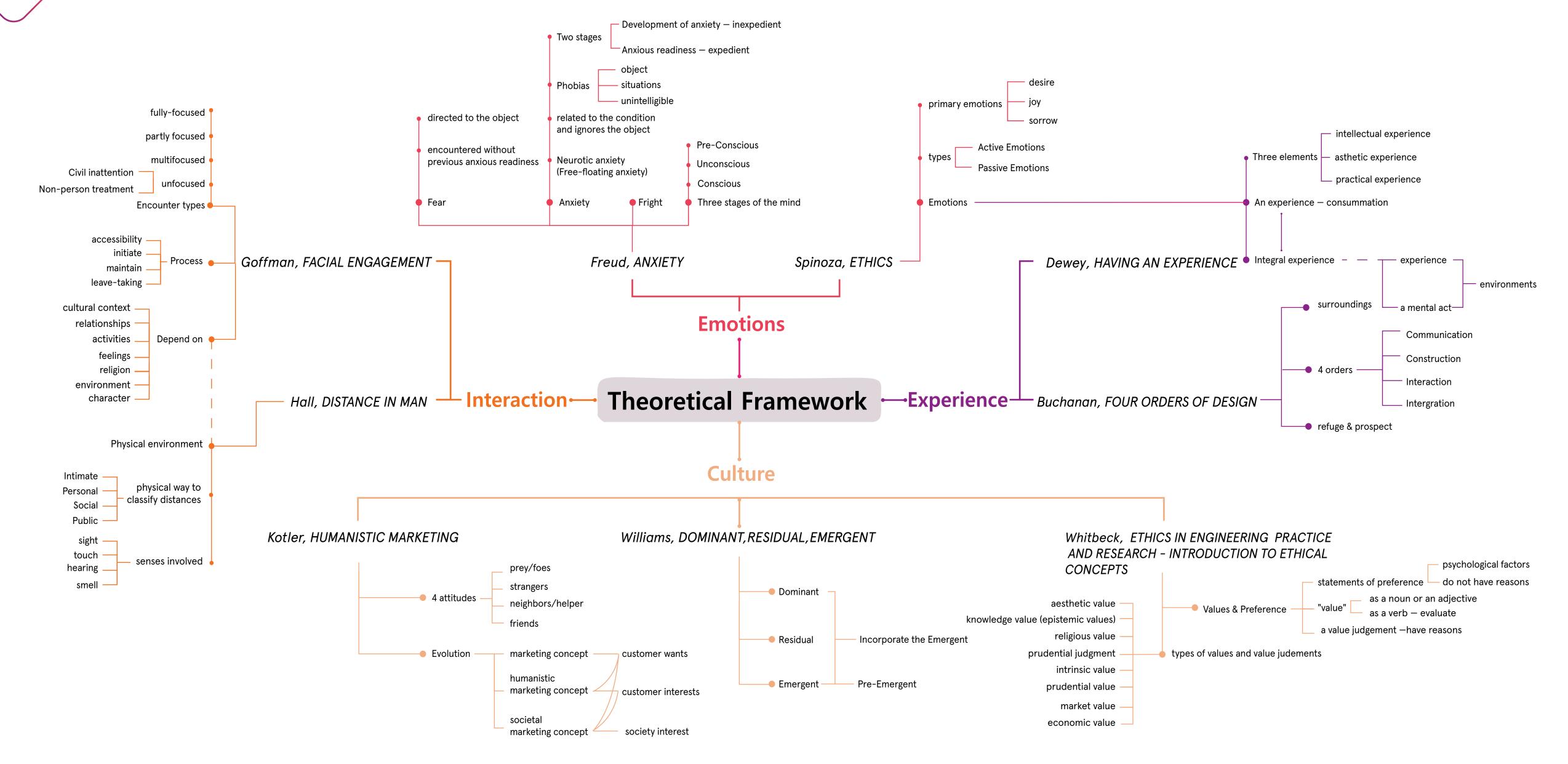


Figure 3. Theoretical framework, based on theories from Edward T. Hall, Philip Kotler, Raymond Williams, Caroline Whitbeck, Richard Buchanan, Jhon Dewey, Sigmund Freud, Spinoza, Erving Goffman.



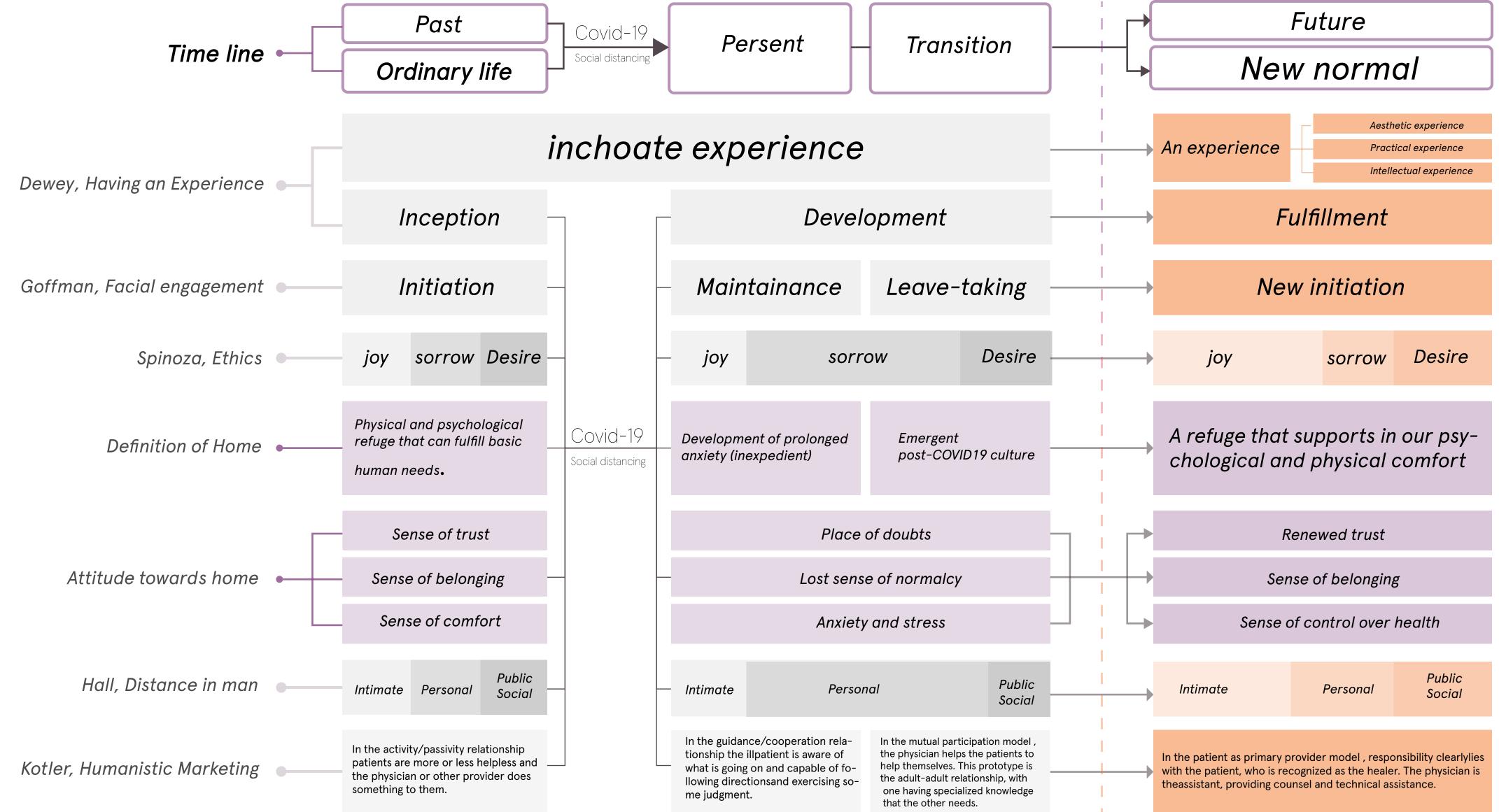
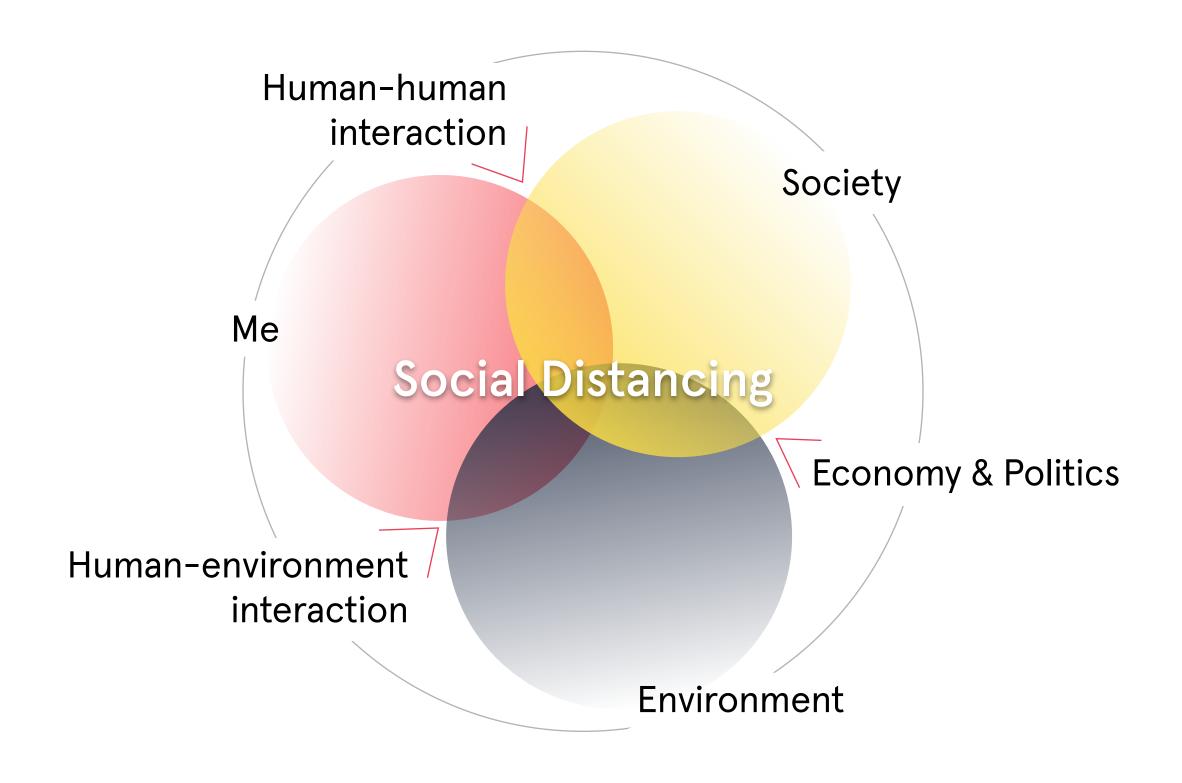


Figure 4. Strategic framework, integrated with the definition of Home and based on theories from Jhon Dewey, Erving Goffman, Spinoza, Edward T. Hall, Philip Kotler, Raymond Williams.



Concept Map (Social Distancing)

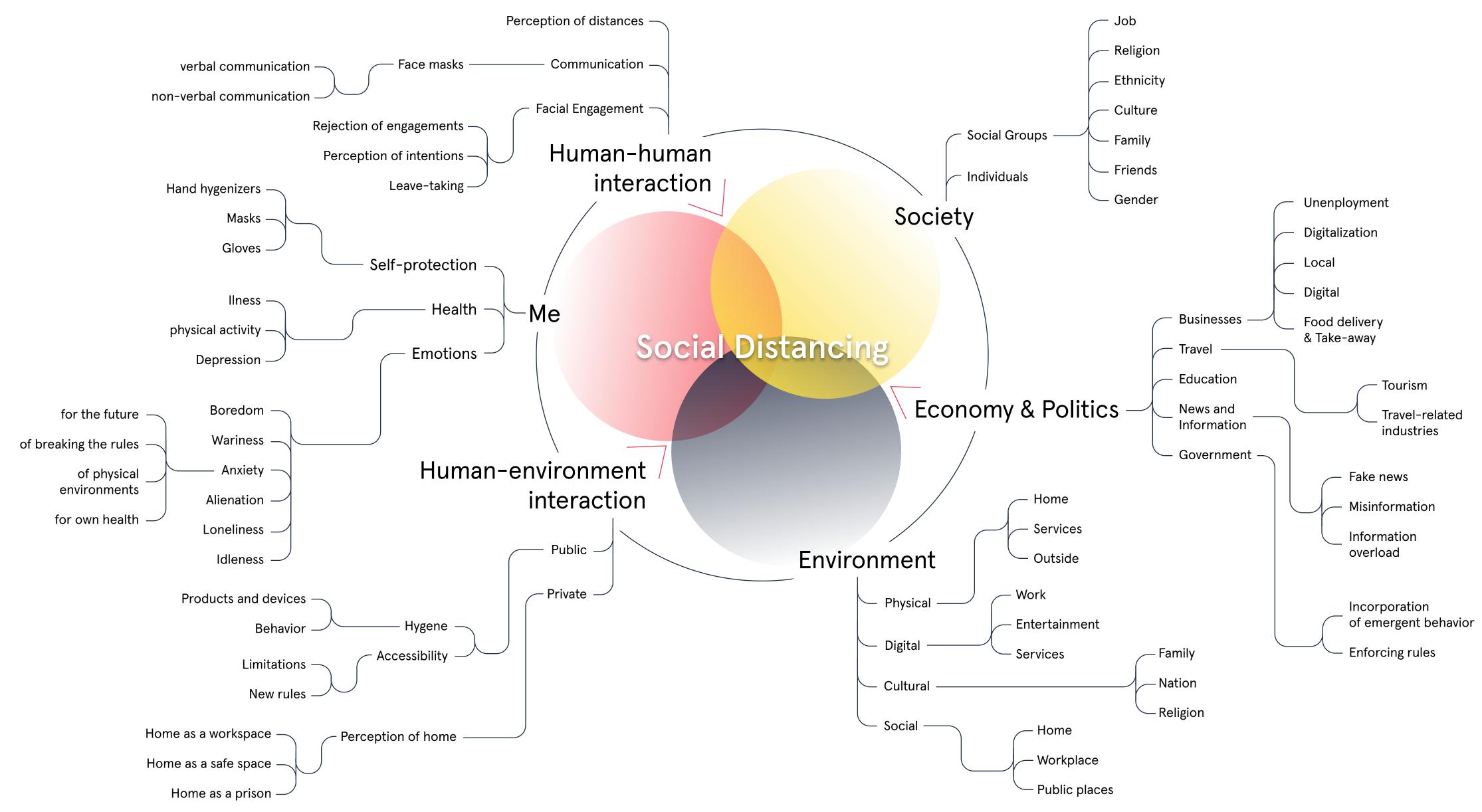


Figure 5. Social distancing concept map based on the concept of me, society and environment. Created from team brainstorming.

Home / Services / Outside

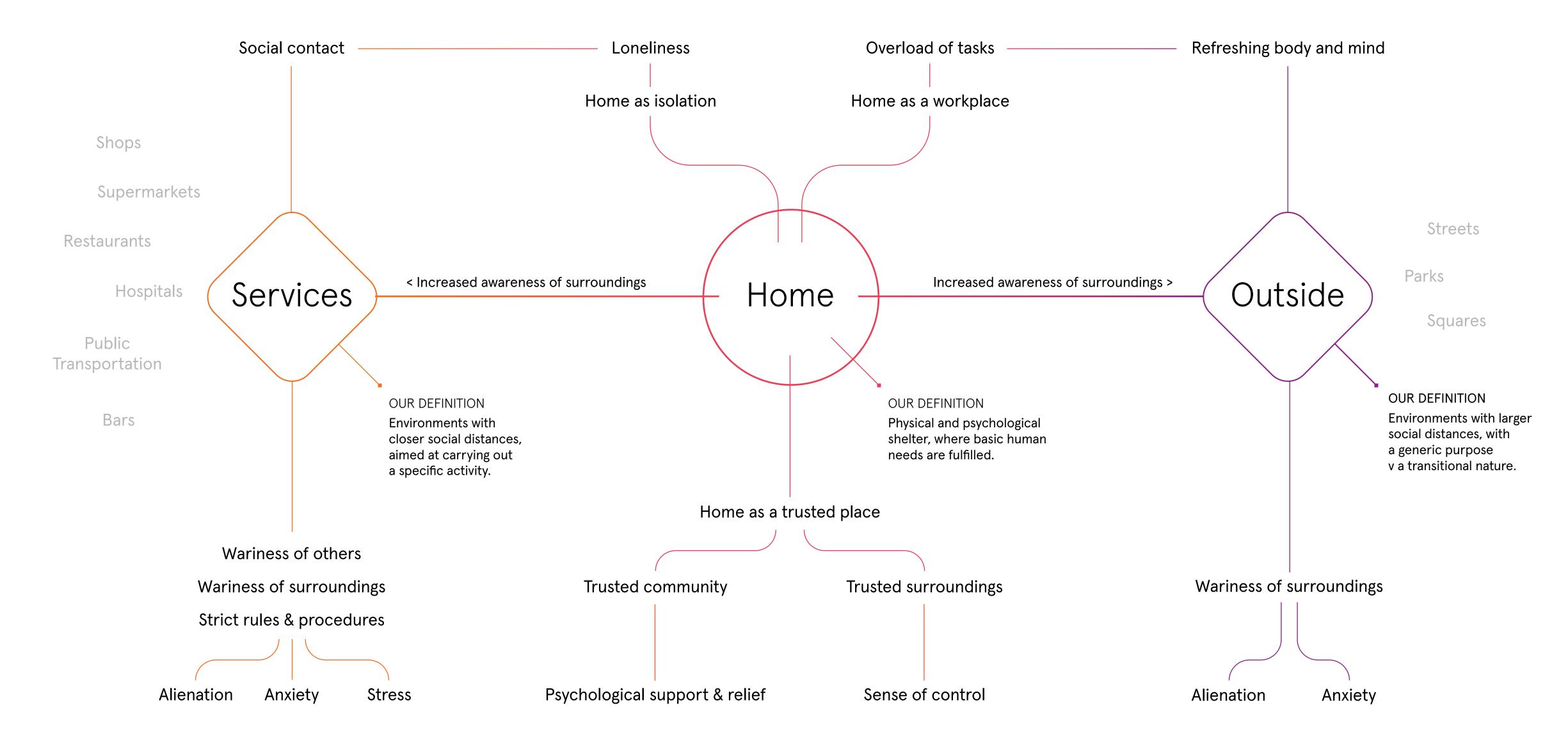


Figure 6. Home-Outside-Services diagram, defining the three environment and highlighting the contrast between them.



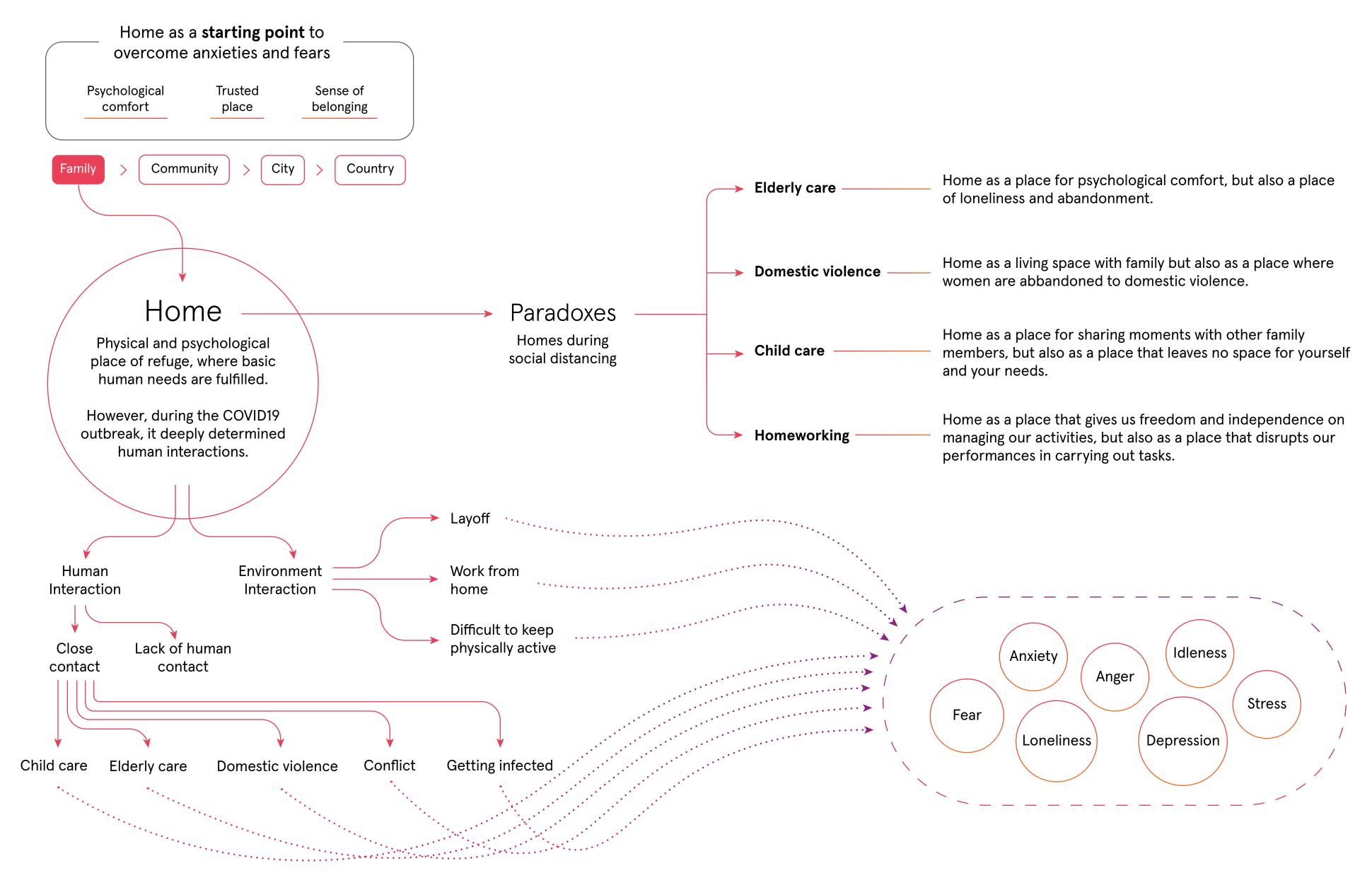
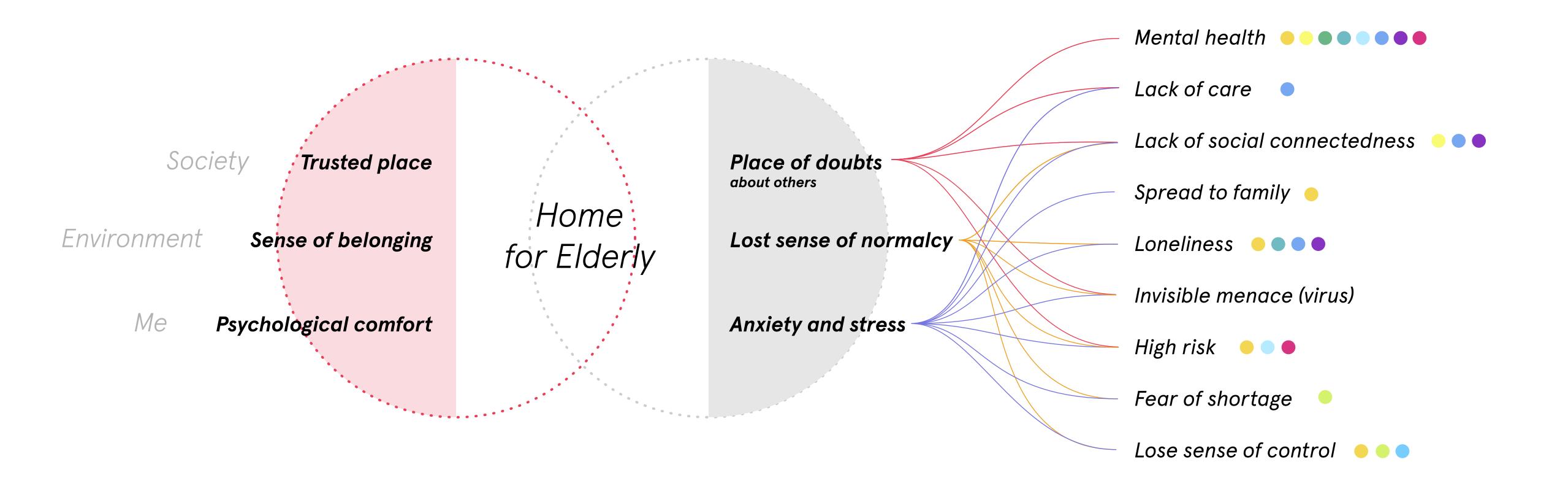


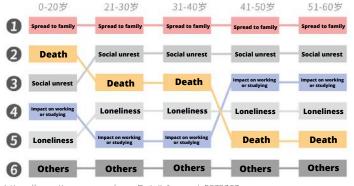
Figure 7. Home concept map, based on our definition of home environment and integrated with paradoxes.



Evidence Map

Feb. 10th, 2020 / Keywords: Fear; Spread to family; Lost sense of normalcy; Loneliness;

the reasons of fear for people in different age group, when facing the virus



Among all age groups, the highest reason of fear is spreading the virus to family members, followed by social unrest. It seems that as the fear of death by virus decreases with age, the impact on the working life increases.

https://www.thepaper.cn/newsDetail_forward_5878357

Feb. 18th, 2020 / Keywords: Increase of mental health issues; Lack of social connectedness;

Mental health services for older adults in China during the COVID-19 outbreak

Older adults have limited access to internet services and smart phones, and as such only a small fraction of older adults can benefit from such service provision. In addition, in most areas of China, clinically stable older adults with psychiatric disorders or their guardians usually need to visit psychiatric outpatient clinics monthly to obtain the maintenance medications. **The current mass**quarantines and restrictions to public transport have inevitably become a major barrier to access maintenance treatments for this group

Source: https://www.thelancet.com/journals/lanpsy/article/PIIS2215-0366(20)30079-1/fulltext#articleInformation

Mar. 7th, 2020 / Keywords: Domestic violence;

Chinese activists say domestic violence cases have risen dramatically as people across much of the country have been quarantined during the coronavirus outbreak.

The number of domestic violence cases reported to a nearby police station had tripled in February, compared to the same period the previous year, Wan said.

Yet activists said Chinese police were not taking the cases seriously, leaving women to fend for themselves amid quarantines

https://www.axios.com/china-domestic-violencecoronavirus-quarantine-7b00c3ba-35bc-4d16-afdd-b76ecfb28882.html

Mar. 13rd, 2020 / Keywords: Domestic violence;

Avoiding public spaces and working remotely can help to reduce the spread of COVID-19, but for many survivors, staying home may not be the safest option. We know that any external

factors that add stress and financial strain can negatively impact survivors and create circumstances where their safety is further compromised.

Abuse is about power and control. When survivors are forced to **stay in the home or in close proximity to their abuser more frequently**, an abuser can use any tool to exert control over their victim, including a national health concern such as COVID-19. In a time where companies may be encouraging that their employees work remotely, and the CDC is encouraging "social distancing," an abuser may take advantage of an already stressful situation to gain more control

https://www.thehotline.org/2020/03/13/staying-safe-during-covid-19/

Mar. 16th, 2020 / Keywords: Fear of shortage; Lose sense of control;

"We're seeing people engaging in things that give them illusory control, like **panic buying and compulsively checking the news as a reassurance**," says Vaile Wright, PhD, the director of clinical research and policy at the American Psychological Association. The level of **uncertainty** around the coronavirus brings **a sense of threat or danger**, which exacerbates people's anxiety and stress, because the uncertainty reminds people of all the things **out of their control**, Dr. Wright explains.

https://www.everydayhealth.com/infectious-diseases/ways-the-coronavirus-is-changing-everyday-life/

Mar. 18th, 2020 / Keywords: Domestic violence;

For people who are experiencing domestic violence, mandatory lockdowns to curb the spread of COVID-19 (the disease caused by the new coronavirus) have trapped them in their homes with their abusers, isolated from the people and the resources that could help them.

From Europe to Asia, millions of people have been placed under lockdown, as the coronavirus infects more than 183,000 people. But Anita Bhatia, the Deputy Executive Director of the United Nations Women tells TIME that "the very technique we are using to protect people from the virus can perversely impact victims of domestic violence." She added that "while we absolutely support

the need to follow these measures of social distancing and isolation, we also recognize that it provides an opportunity for abusers to unleash more violence.

https://time.com/5803887/coronavirus-domestic-violence-victims/

Mar. 19th, 2020 / Keywords: Domestic violence;

While intimate partner violence may initially seem unrelated to the COVID-19, one police station in China received 162 reports of domestic violence in February 2020. In the previous year, the police station received only 47 reports. **Leading anti-domestic violence advocates attribute this rise in reported cases to the lockdown.** Data from settings impacted by humanitarian crises indicate that intimate partner violence is highly prevalent, and women's vulnerability to such violence increases during emergencies.

https://womensmediacenter.com/news-features/what-does-coronavirus-mean-for-violence-against-women

Mar. 23rd, 2020 / Keywords: Increase of mental health issues; Cognitive abilities;

As local Covid-19 infections surpassed 300, the elderly woman, who suffers from mild dementia, has **experienced a deterioration in her cognitive abilities after being stuck indoors for more than a month.**

https://www.scmp.com/news/hong-kong/society/article/3076378/coronavirus-online-day-care-keeping-elderly-hongkongers

Mar. 24th, 2020 / Keywords: Domestic violence;

Those who may have felt safe once their partner left for work or their children were at school **now live without any window of relief as businesses and schools shutter.** "When the mind is constantly in fight, freeze [mode] because of perpetual fear, that can have a lasting impact on a person's mental health," Burns said

https://www.nytimes.com/2020/03/24/us/coronavirus-lockdown-domestic-violence.html?searchResultPosition=2

Mar. 25th, 2020 / Keywords: Domestic violence;

There has also been a rise in domestic violence cases.

According to Under Blue Sky Women and Children's Rights Association, an anti-domestic violence group in Hubei province — which was hit hard by the epidemic — police in Jianli county in Hubei received 175 reports of domestic violence in February, compared with 47 during the same period last year.

 $from\ chinadaily\ https://mp.weixin.qq.com/s/8I3qqP04PjpDbQ0krrT_iQ$

Mar. 25th, 2020 / Keywords: Loneliness; Fear;

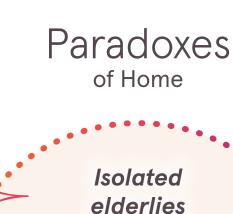
For some elderly Itanlians, loneliness brings more fear than virus

"Elderly people find themselves in a particularly difficult situation," said Fabio Sbattella, professor of emergency psychology at the Cattolica University of Milan.

"One of the emotions that prevails in this moment is confusion, as the epidemic carries a message saying that in order for the community to survive, we need to stay alone,"

said Sbattella who provides assistance to people who are psychologically vulnerable to the coronavirus outbreak, from healthcare workers to the elderly.

Aljazeera: https://www.aljazeera.com/indepth/features/chk-elderly-italians-loneliness-worse-covid-19-fears-200323154948211.html



No space for children's needs

Domestic violence

Disruption of home workers

Figure 9. Evidence map, collecting articles from various online sources, and grouped by paradox

Mar. 25th, 2020 / Keywords: Stress and disorders; Other diseases;

"Elderly people find themselves in a particularly difficult situation," said Fabio Sbattella, professor of emergency psychology at the Cattolica University of Milan.

"Just not being able to do a simple walk, to visit a doctor or to see family members can create stress and disorders prompting irregular nutrition and forgetfulness in the assumption of regular medicines, hence heart diseases increase and the immune system weakes." Sbattella said.

Aljazeera: https://www.aljazeera.com/indepth/features/chk-elderly-italians-loneliness-worse-covid-19-fears-200323154948211.html

Mar. 30th, 2020 / Keywords: Lost sense of normalcy;

Most Americans say their personal life has been affected by the coronavirus outbreak

Across age groups, similar shares say the coronavirus outbreak has had a major impact on their personal life. For example, 43% of adults younger than 30 say the outbreak has changed their life in a major way, as do 45% of those ages 65 and older.

https://www.pewsocialtrends.org/2020/03/30/most-americans-say-coronavirus-outbreak-has-impacted-their-lives/

Apr. 9th, 2020

Prenatal care might change for good

Gynecological care, contraception and abortion access are threatened during this pandemic. Yet when it comes to pregnancy and the weeks immediately afterward, providers do see some cause for optimism. In addition to the rethinking of in-person visit schedules, the coronavirus could motivate the creation of a central set of resources on prenatal care. And doctors have suggested that postnatal care schedules may change from in-person appointments six weeks after delivery to televisits two to three weeks post-birth to check in with parents in this high-anxiety period. It's a change that could stick and lead to better postpartum experiences for parents and babies.

https://www.nytimes.com/2020/04/28/parenting/pregnancy/coronavirus-prenatal-care.html?searchResultPosition=8

Apr. 14th, 2020 Keywords: Loneliness; Anger;

The unspoken COVID-19 toll on the elderly: Lonliness

"The elderly as a group is very diverse," she said. "Those with more education and resources will come through this social distancing just fine, while those who don't have the ability you engage in tech supported replacements, for example, may feel particularly isolated."

Shirley Strauss, 93, lives alone in Brooklyn. While she remains positive, she admits that the last couple of weeks have not been easy.

"I was able to go out and do certain things, but now I'm stuck in the house and it's like the walls are coming down on me. I am feeling lonely, now it's the holiday and I can't see the family and that upsets me," she said.

Abcnews: https://abcnews.go.com/Health/unspoken-covid-19-toll-elderly-loneliness/story?id=69958717

Apr. 22nd, 2020

It's always hard to measure the scope of domestic violence—and it's particularly hard during a pandemic when families are essentially confined to **homes, where a victim can't easily escape an abuser.** News outlets across the country have written about advocates' concerns that crime statistics are masking an uncounted rise in domestic violence, relying on anecdotes and fragmented data points.

https://www.themarshallproject.org/2020/04/22/is-domestic-violence-rising-during-the-coronavirus-shutdown-here-s-what-the-data-shows

Apr. 25th, 2020 / Keywords: Loneliness; Lack of social connectedness;

Coronavirus pandemic: How to help senior citizens

"When I call my patients, they're so happy to hear my voice," says Paul. "They ask me how I am doing and they want to prolong the conversation. I will ask them, 'Do you have a smartphone?' And many of them do, but haven't used FaceTime before. Once I tell them about it, they are surprised by how easy it is. A big thing we can do as a community is to help sensiors stay connected digitally.

Now is a time to practice social distancing but [also a time to discourage] social isolation by helping seniors become better at technology."

https://www.nbcnews.com/better/lifestyle/how-help-senior-citizens-during-coronavirus-pandemic-ncna1190591

Apr. 26th, 2020 / Keywords: Threat to mental health; High mortality; High infectivity;

Coronavirus: suicide experts warn of pandemic's impact on *mental health*, with Hong Kong's jobless, poor and *elderly most at risk*Among those most at risk are workers who have lost their jobs, those facing severe financial hardship and *elderly people who feel cooped up at home because of restrictions on movement during the crisis*.

https://www.scmp.com/news/hong-kong/health-environment/article/3081582/coronavirus-suicide-experts-warn-pandemics-impact

Apr. 28th, 2020

Others, though, recounted the challenges of distance learning, from struggling to understand assignments and getting easily distracted to not having reliable internet. "If you had told me a few months ago that I would be praying to go to school, I would've laughed and called you crazy, but I would do anything to go back to my school," Hannah from Nashville said.

https://www.nytimes.com/2020/04/09/learning/what-students-are-saying-about-remote-learning.html? action=click&module=RelatedLinks&pgtype=Article

May 6th, 2020

Parents Nervously Return to Work in Italy. Children Are Still at Home.

Italy, once the epicenter of the coronavirus outbreak in Europe, became the first European country to impose national lockdown restrictions on March 10. On Monday, it lifted some of those restrictions, and around four million Italians returned to work, with more to follow. But schools, nurseries, day cares and summer camps have remained closed.

Italy has one of the lowest fertility rates in Europe. If those numbers were to decrease even further as a consequence of growing uncertainty among potential parents, it "would be a disaster," Ms. Bonetti said.

https://www.nytimes.com/2020/05/06/world/europe/italy-coronavirus-reopening-parents.html?searchResultPosition=38

May 9th, 2020

Also, your need for care may not have gone away, even if the entity that was going to provide it is closed down. If you're working from home and your child's school is closed, the need might have gone up.

Unfortunately, you can't use money from the account to pay your 14-year-old to watch your 4-year-old while you work. (Yes, I asked, and Ms. Dietel laughed at me, or maybe it was with me.) But you could use it to pay your 14-year-old's best friend. You can even use it to pay a relative who is not a dependent of yours.

https://www.nytimes.com/2020/05/09/your-money/dependent-care-account-coronavirus.html?searchResultPosition=7

May 13rd, 2020

So many parents are burnt out from trying to educate their children at home, and while there are calls to give up on distance learning all together, I'm not ready to quit just yet. So I asked a teacher, a learning specialist and a head of school how parents can keep going when every minute feels like an eternity.

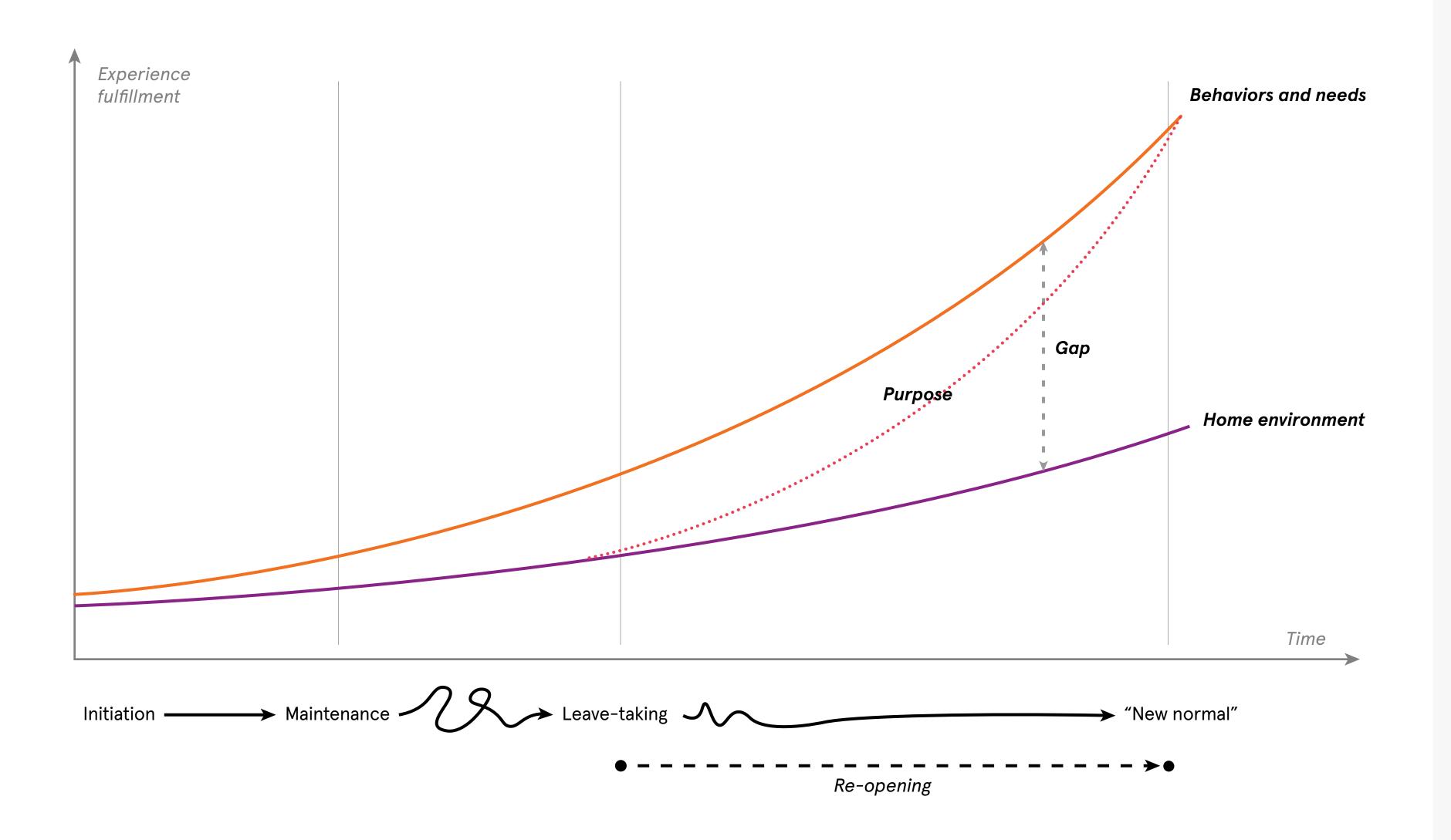
https://www.nytimes.com/2020/05/13/parenting/coronavirus-remote-learning-burn-out.html?searchResultPosition=3

May 14th, 2020 / Keywords: Disrupting work;

For some people, that lack of structure can feel like a deeply personal loss, Dr. Blustein said. Disrupted workers may have trouble organizing their time or even creating expectations for

But even men who are able to work remotely during the emergency period may **feel extra pressure** to prove their productivity to employers who value long hours and displays of devotion to the job

Problem statement



PROBLEM STATEMENT

The maintenance of social distancing rapidly transformed our behaviors and needs. The home environment couldn't keep pace with these unexpected changes, limiting the satisfaction of psychological and physical needs. This gap generated an inchoate experience vulnerable to anxieties and fears.

GENERAL PURPOSE

Create an integrated, fulfilled experience based on a supportive environment for a more fluent leave-taking of social distancing, enabling elderlies to reduce anxieties and fears while keeping safety and trust in their home.



PRIMARY USERS ———

ELDERLY

Age: over 60 years old

Gender: 60% Female 40% Male

Job title: retired

Work hours: Oh/week

Location: Italy

Technology skills: very basic, functional to his needs, partially independent

Risk of severe illness: high

Isolation: high (loneliness, need care)

Family: maried with children or widower/widow

Attitudes: conservative on new technologies, in need of care and attention

SECONDARY USERS — TERTIARY USERS

ADULT FAMILY MEMBER

Age: 20-50 years old (family member)

Gender: Male or Female

Job title: any part-time/full-time job that allows some time at home

Work hours: 40h/week (they help in turns

with the other family members)

Location: Italy

Technology skills: functional to communication and entertainment, independent

Risk of severe illness: low-medium

Isolation: average, they are allowed to visit the family member in need

Family: maried, engaged in a relationship or single

Attitudes: willing to help others, busy for work, attached to the family

PROFESSIONAL CAREGIVER

Age: 30-50 years old

Gender: Mostly female

Job title: nurse

Work hours: 40h/week or 24/5

Location: Italy

Technology skills: functional to communication and entertainment, independent

Risk of severe illness: medium

Isolation: average, they are allowed to go to work

Family: maried with children or engaged in a relationship

Attitudes: willing to help others, knowledgeable, knows proper time management

YOUNGER FAMILY MEMBER

Age: 6-20 years old (family member)

Gender: Male or Female

Job title: student, or any part-time job

Work hours: school time or less than 20h/week (they are close to the elderly outside work/school hours)

Location: Italy

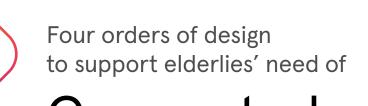
Technology skills: functional to communication and entertainment, faster in learning, independent

Risk of severe illness: low

Isolation: high, during social distancing they can leave home only if necessary

Family: single

Attitudes: friendly, playful, energetic, willing to help their grandparents



Connectedness

	Communication Symbols	Construction Things	Interaction Actions	Integration Thoughts
Inventing Symbols	Information what kind of news or information will make the elderly feel connected?			
Judging Things		Devices How can the product help the elderly get a better connection?		
Deciding Actions			Activities Which kind of service or activities will bring a sense of connectedness?	
Evaluating Thoughts				Organizations How can the community or organizations support the system?

Figure 13. Four orders of design for the elderlies' need of connectedness, based on the four orders of design from Richard Buchanan.

PROBLEM STATEMENT

The maintenance of social distancing rapidly transformed our behaviors and needs. The home environment couldn't keep pace with these unexpected changes, **limiting the satisfaction of psychological and physical needs.** This gap generated an **inchoate experience** vulnerable to anxieties and fears.

GENERAL PURPOSE

Create an **integrated**, **fulfilled experience** based on a **supportive environment** for a more fluent leave-taking of social distancing, enabling **elderlies** to reduce anxieties and fears while keeping safety and trust in their home.

WORKING HYPOTHESIS

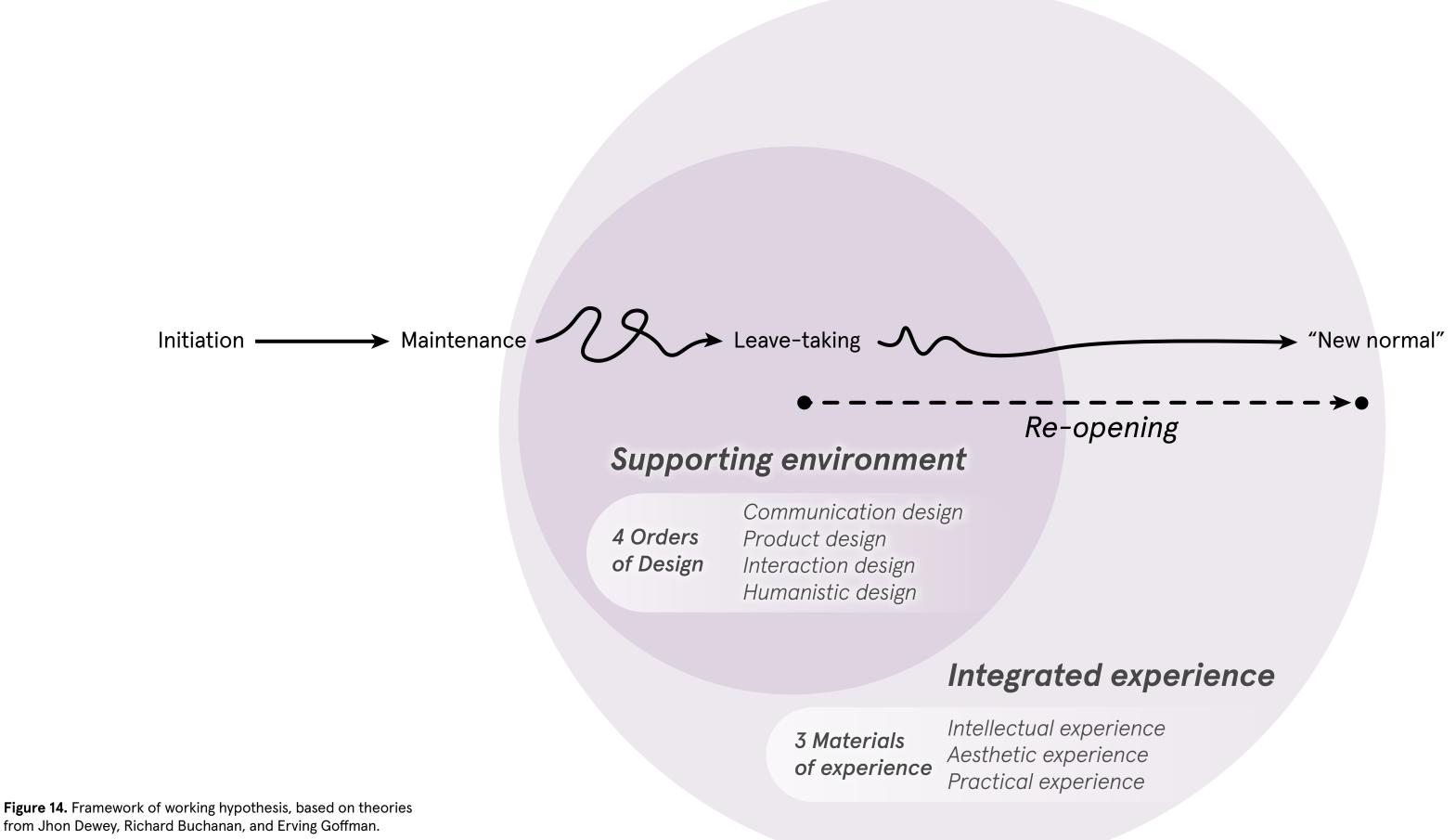
If the home environment can match the needs of caring for the elderly through communication, product, interaction and humanistic design, then an experience will take place through the integration of intellectual, aesthetic and practical experiences.

This integration can bring comfort, security and sense of belonging to the elderly, reducing their anxiety and fear in the process of **maintenance** and leave-taking from social distancing.

Central Idea: A self-managed health community

Create a community-based platform, connecting together elderlies and medical professionals in both in the online and offline world, aimed to improve elderlies' quality of learning about their physical and mental health.





from Jhon Dewey, Richard Buchanan, and Erving Goffman.

GENERAL PURPOSE

Create an integrated, fulfilled experience based on a **supportive environment** for a more fluent leave-taking of social distancing, enabling elderlies to reduce anxieties and fears while keeping safety and trust in their home.

PROBLEM STATEMENT

The maintenance of social distancing rapidly transformed our behaviors and needs. The home environment couldn't keep pace with these unexpected changes, limiting the satisfaction of psychological and physical needs. This gap generated an inchoate experience vulnerable to anxieties and fears.

If the home environment can match the needs of caring for the elderly **through** communication, product, interaction and humanistic design, then an experience will take place through the integration of intellectual, aesthetic and practical experiences.

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CENTRAL IDEA A SELF-MANAGED HEALTH COMMUNITY

Create a community-based platform, connecting together elderlies and medical professionals in both in the online and offline world, aimed to improve elderlies' quality of learning about their physical and mental health.

Four orders of design A self-managed

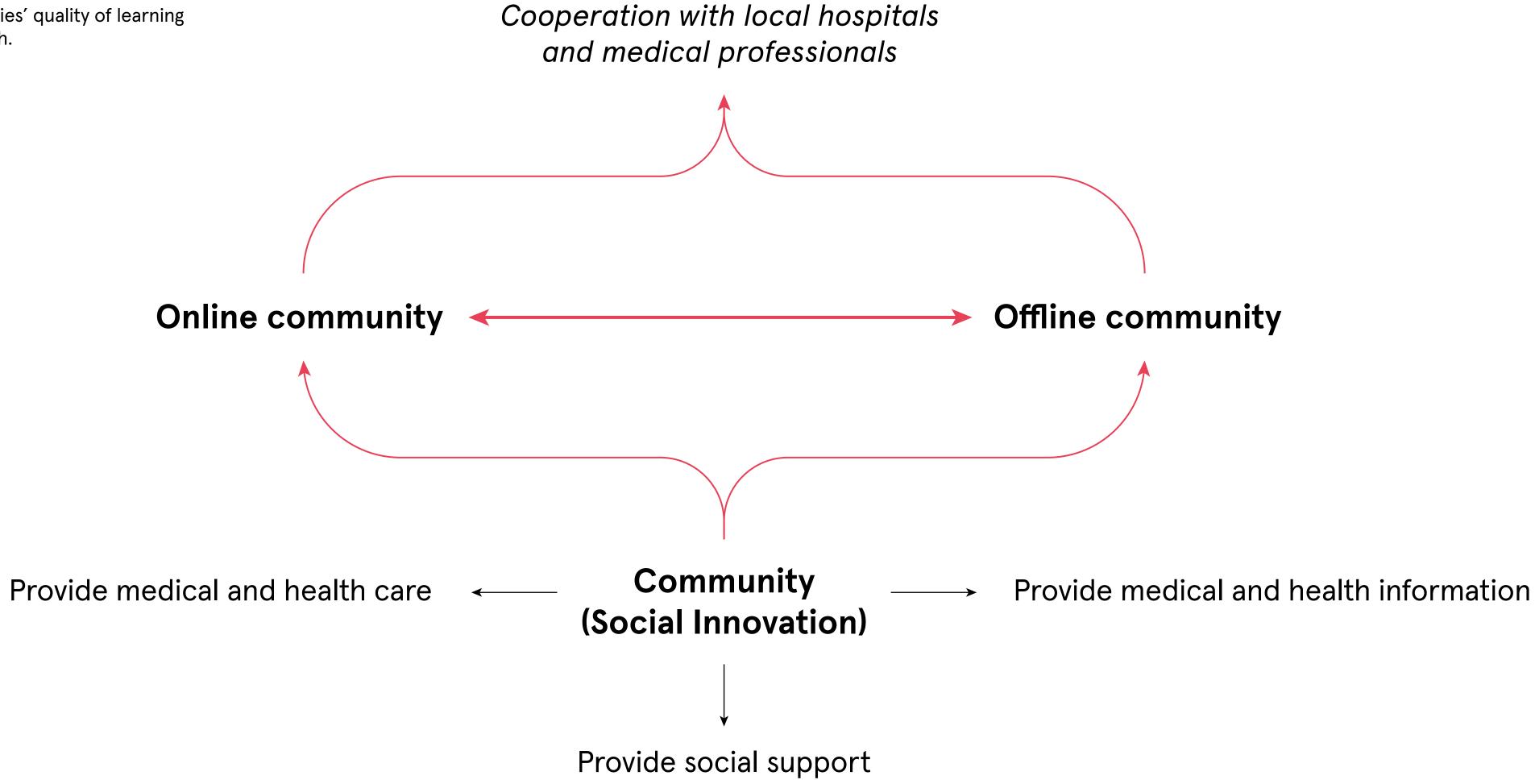
A self-managed health community

	Communication Symbols	Construction Things	Interaction Actions	Integration Thoughts
Inventing Symbols	Symbols	THIIIgs	ACTIONS	Information What kind of information should elderlies exchange?
Judging Things				Devices What kind of physical products can help elderlies communicate and learn without high cognitive loads?
Deciding Actions				Activities What kind of activity elderlies should engage on? What kind of interaction?
Evaluating Thoughts				Organizations What changes we want to bring to the elderly community?

Concept map

A self-managed health community

Create a community-based platform, connecting together elderlies and medical professionals in both in the online and offline world, aimed to improve elderlies' quality of learning about their physical and mental health.



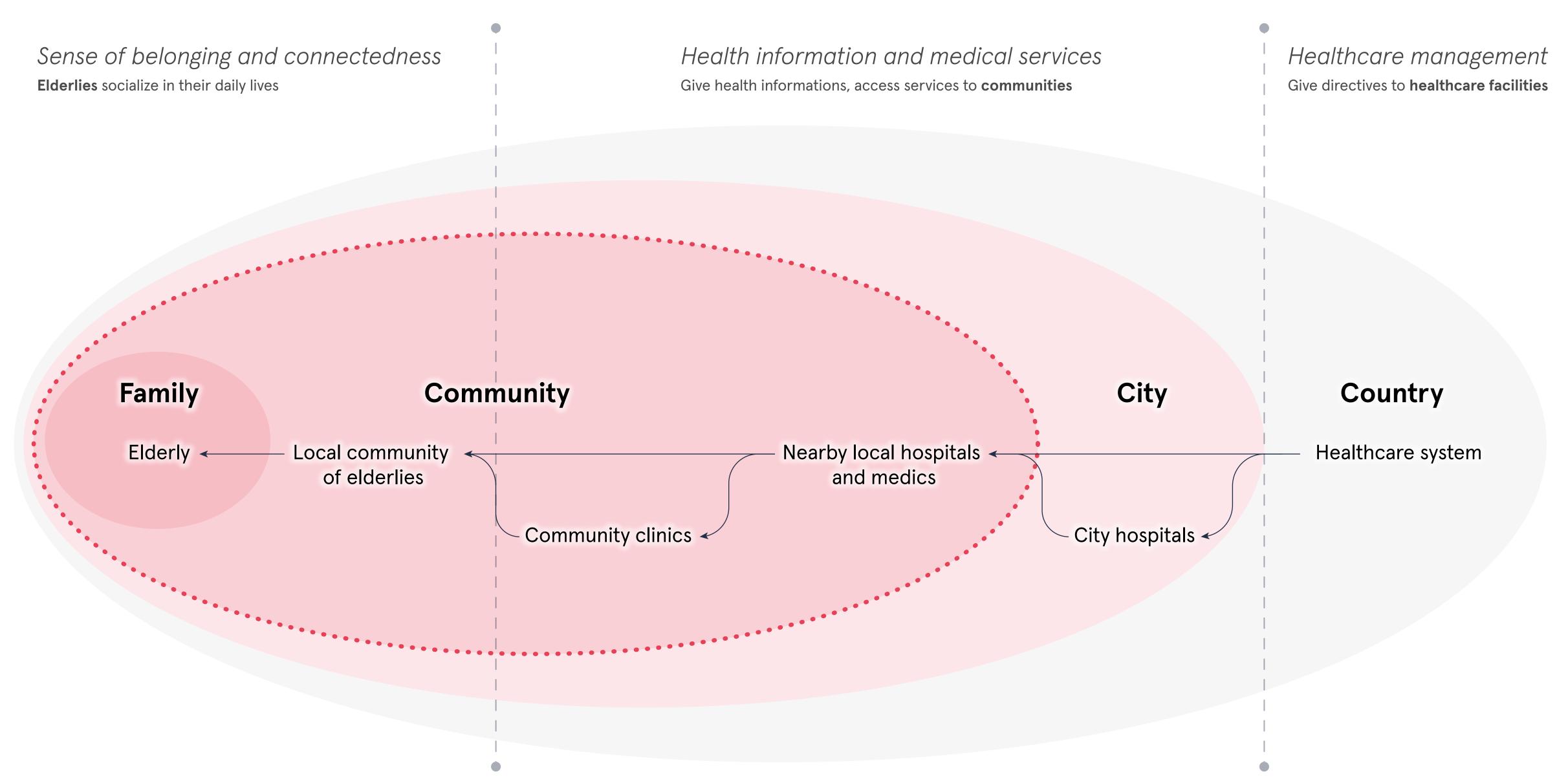
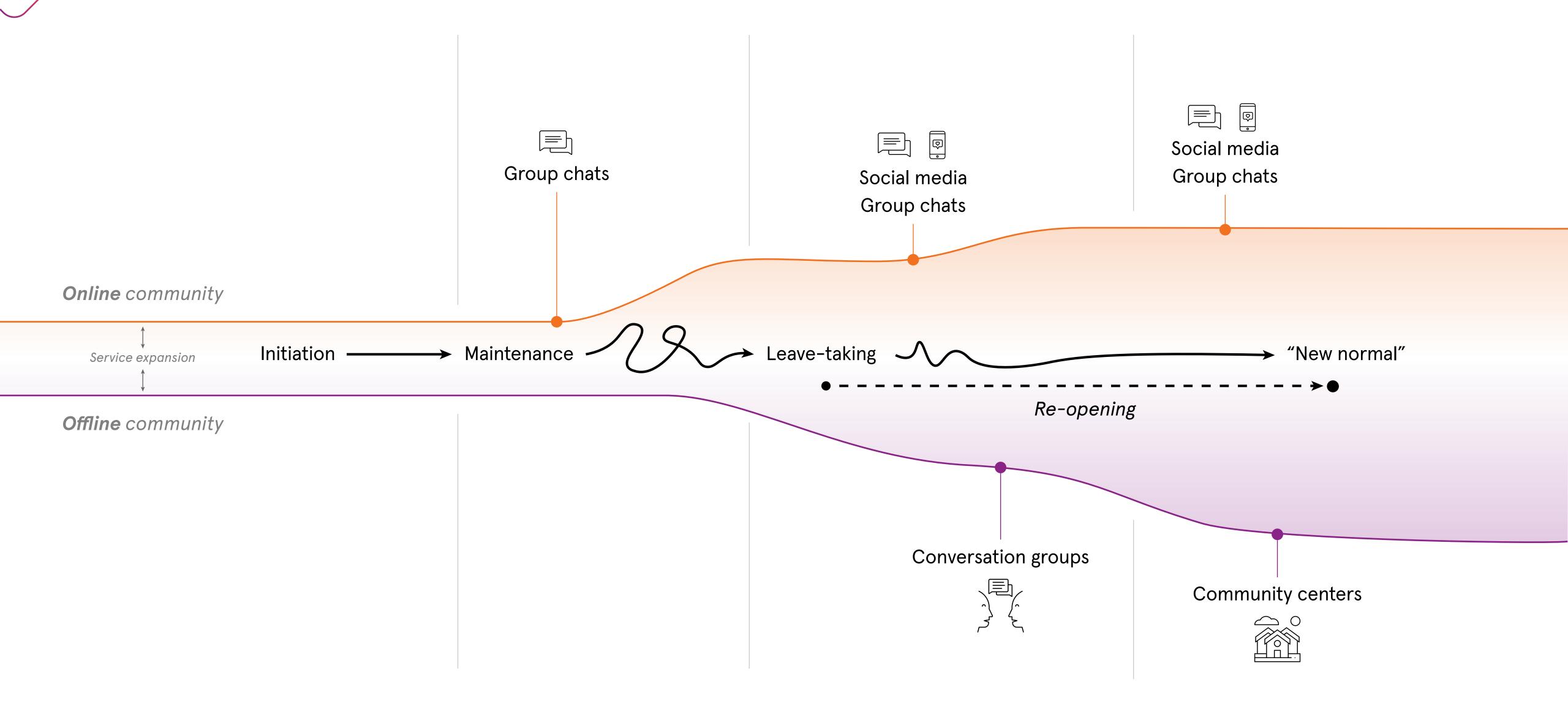
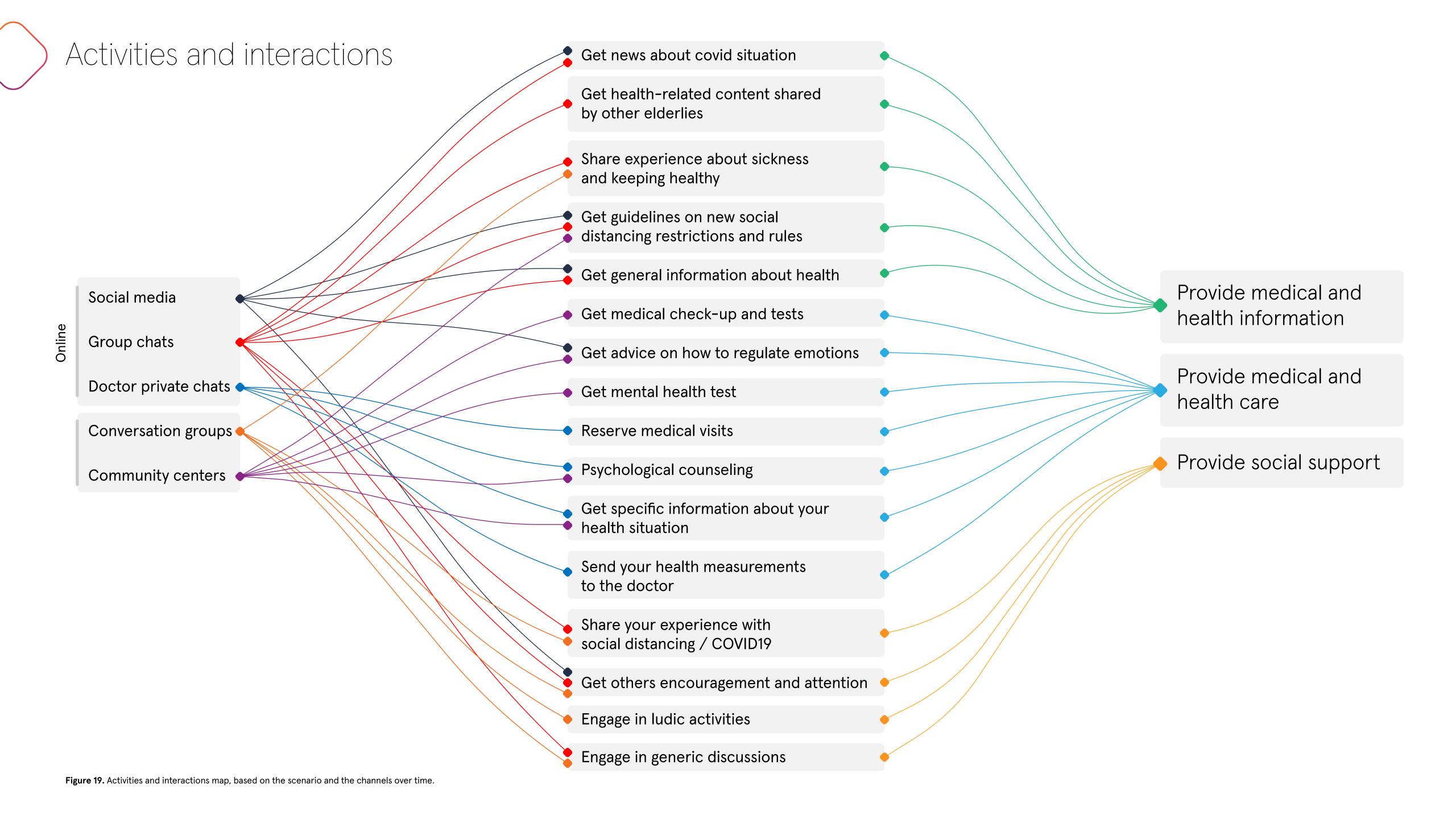


Figure 17. Elderly communities diagram, based on the central idea.

Service channels over time





Persona







Images from pixabay.com and unsplash.com

Maria Brambilla

• **Age:** 71yr

• Location: Lombardy, Italy

• Education: middle school

• Free time: most of the day

Hobby: cooking and watching TV

• Job: retired, housewife

• **Income:** €6000/yr

• Family: widow, 3 children, 4 grandchildren, lives alone

• Technology: smartphone, basic knowledge of messaging

• Disabilities: minor physical disabilities, bad eyesight

• Needs: CONNECTEDNESS with her family; understand her own HEALTH; make sure her family is healthy too.

• Goals: Collaborate for the wellbeing of the family

• **Hopes:** Getting back to the previous "normality" she was used to.

Worrisome Wi

Willing to help

Sociable

Talkative

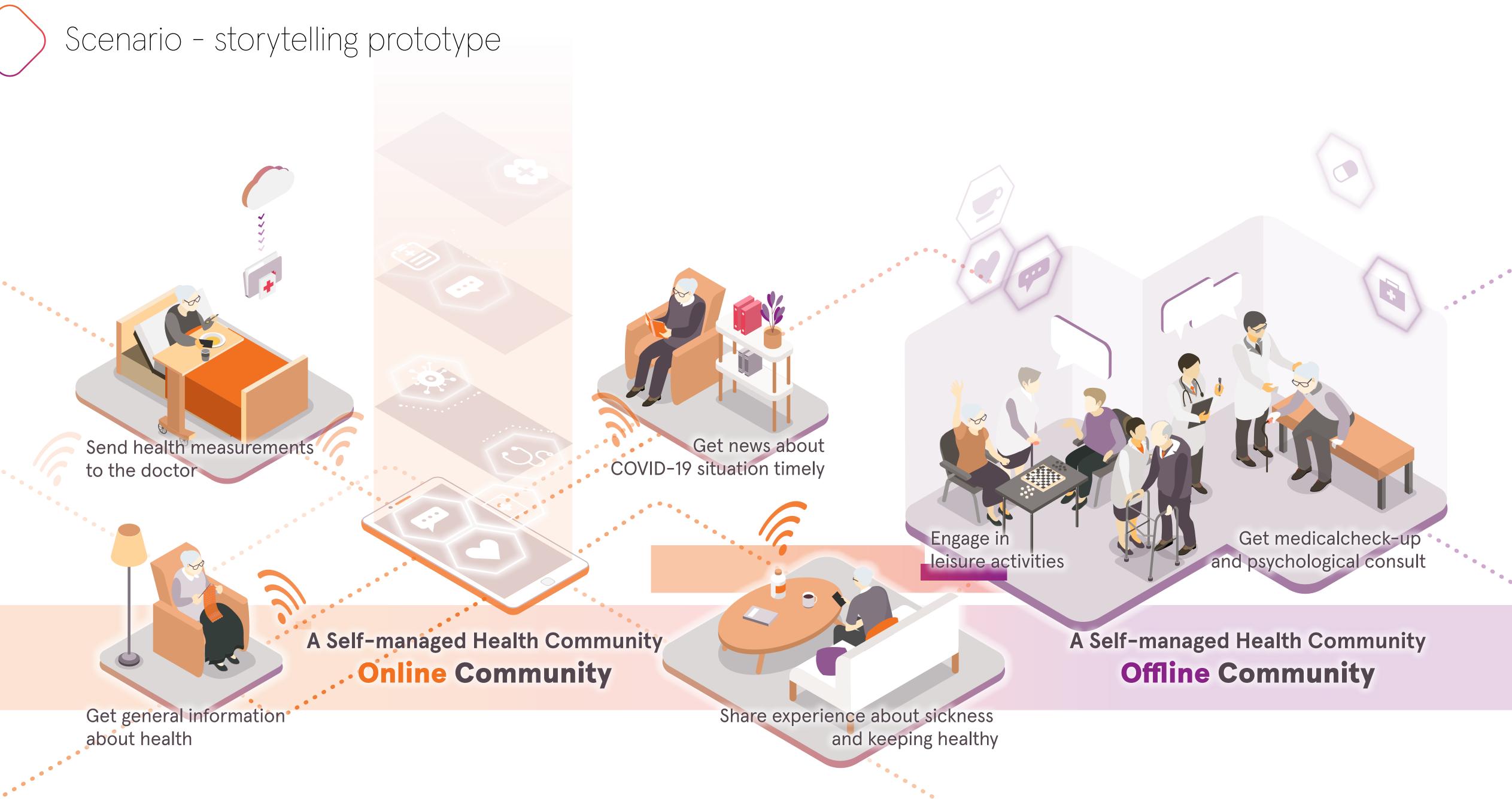
Wise

Maria is a 71-year-old grandmother that lives in her own apartment.

Before social distancing, she was used to periodically meet with her family and friends, but during the epidemic, she needed to spend a long time at home alone.

The only way to communicate with them is through messaging applications, which she finds a bit difficult to use and often makes her frustrated.

She is very anxious about her health and she always wants to make sure everyone in her family is healthy and safe. Being helpful to family and society gives meaning to her daily living. She hopes she will soon be able to gather with her friends and family and get back to her daily tasks.



Service Blueprint

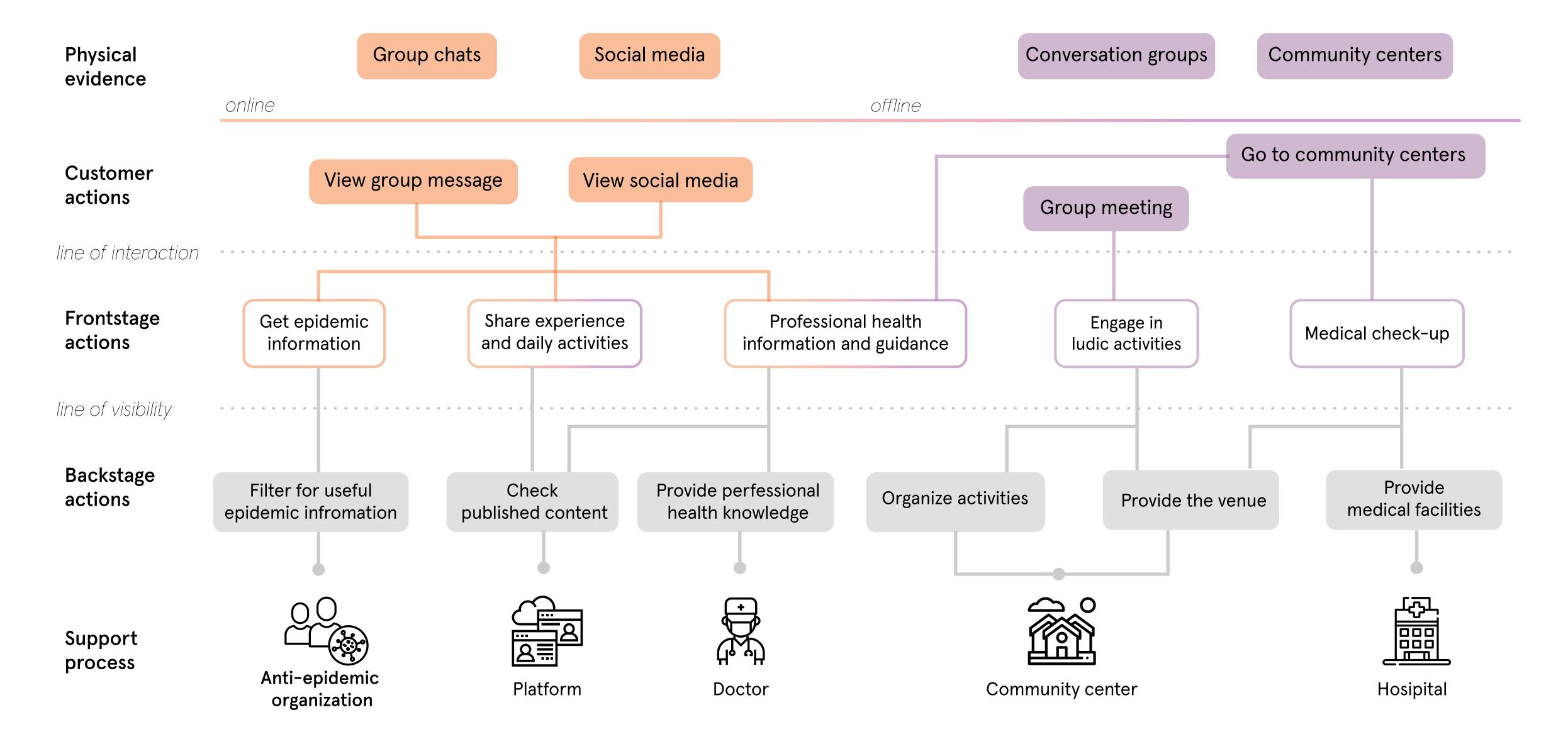


Figure 21. Service Blueprint, based on the scenario and the channels over time.

An experience

Scenario 01: Online / elderly - elderly

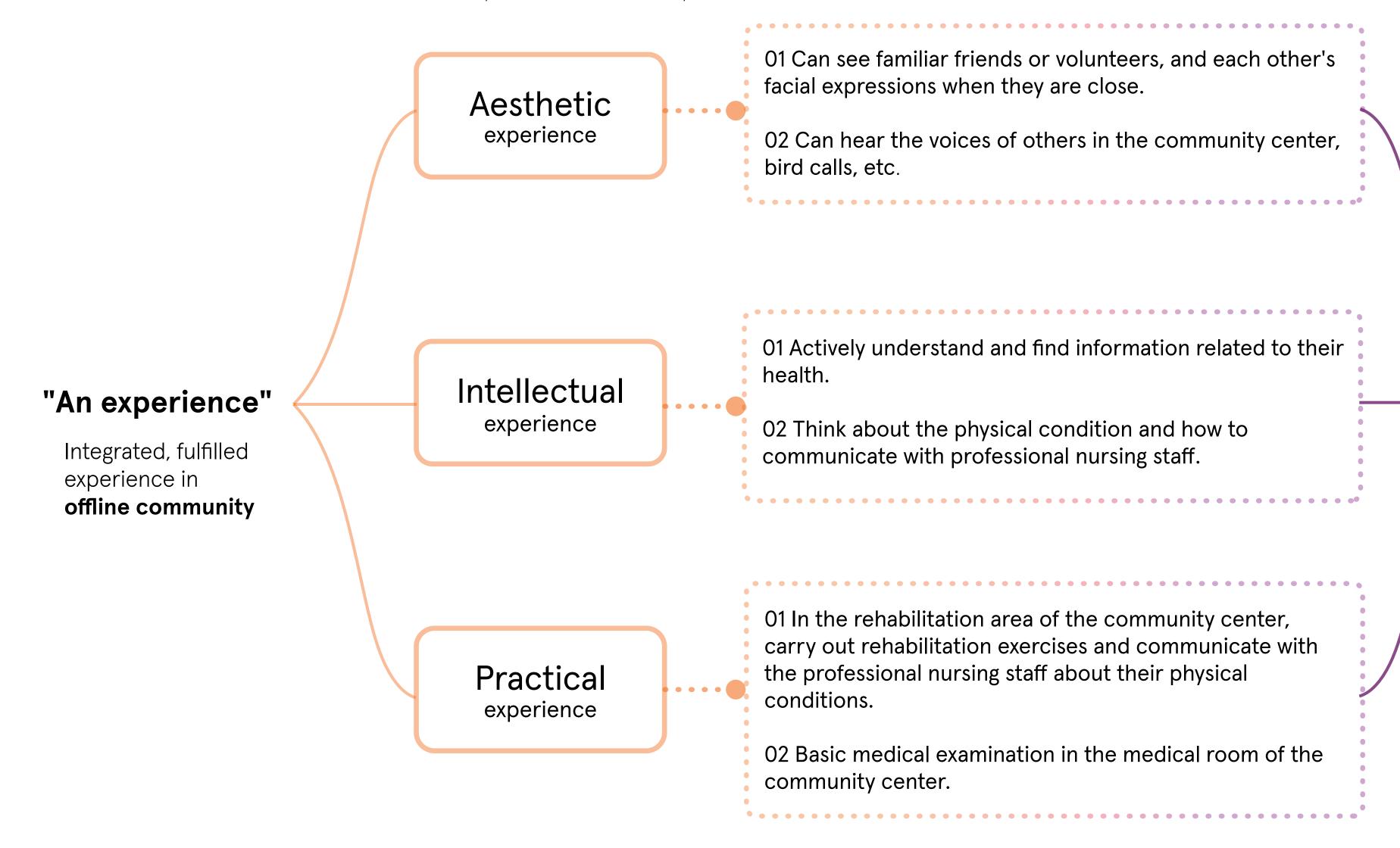
01 Can see the familiar family members and environment and the face of the friend during the video call. Aesthetic 02 Able to hear family greetings, laughter and voice experience messages sent by friends through mobile phone. 01 Think about how to use your mobile phone to chat in a chat group, and find daily events in memory to share with Intellectual friends. "An experience" experience 02 Analyze the news information related to the epdemic and Intergrated, fulfilled think about when the epidemic will end. experience in online community 01 Sitting on the sofa near the dining table at home, holding a mobile phone to send messages to friends or **Practical** loved ones. experience 02 According to the guideline of professionals in the online medical community, get self healthcheck at home.

Emotion

Sense of belonging, sense of familiarity and sense of comfort, they hope they can do this often. At the same time, they are looking forward to meet with friends or hang out after the epidemic, spend the day withjoy and desire.

An experience

Scenario 02: Offline / elderly - community center



Emotion

Grateful for the space provided by the community, feel anticipation and excitement to participant activities related to physical health, feel confident about their health situation.



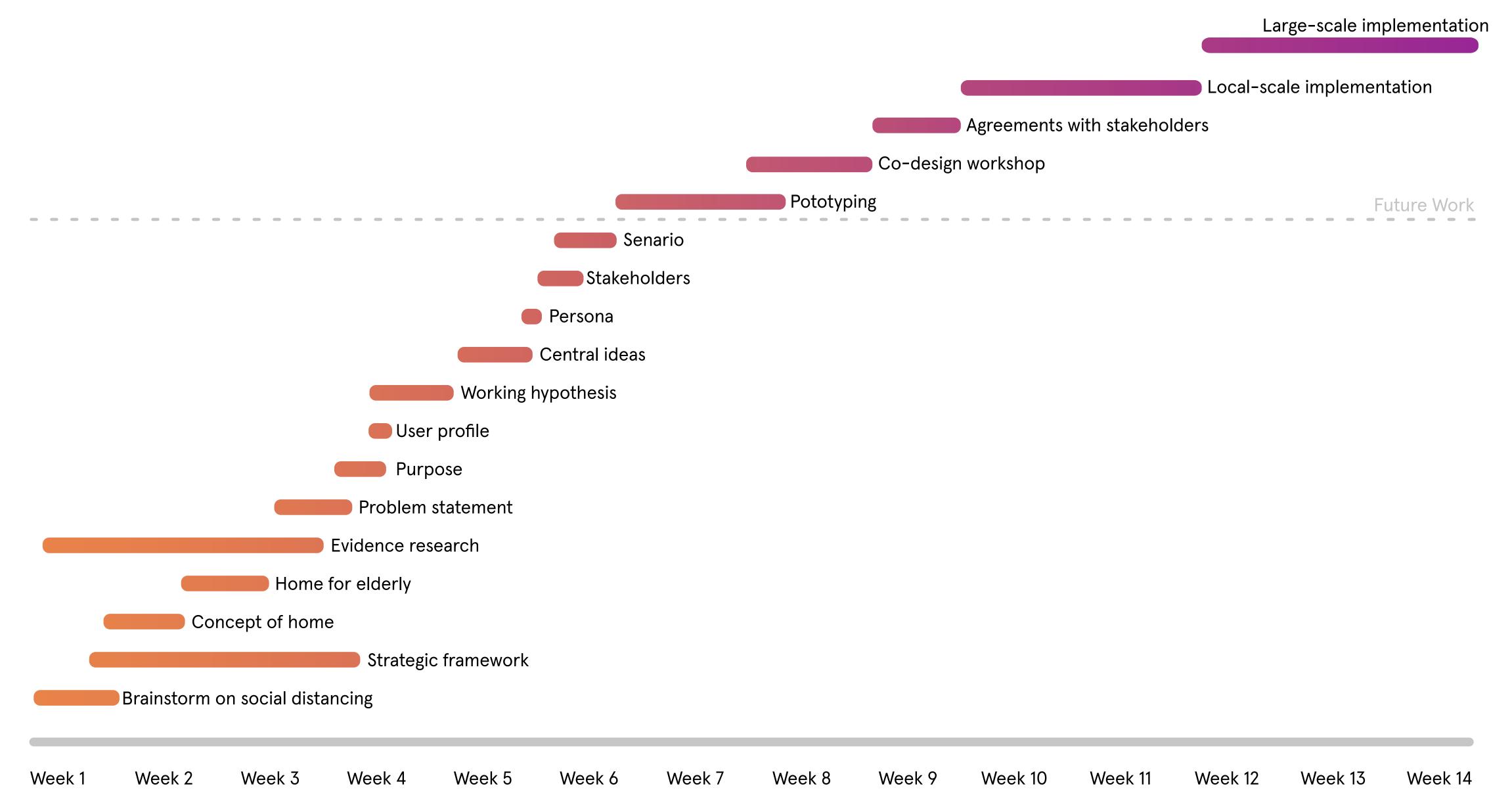
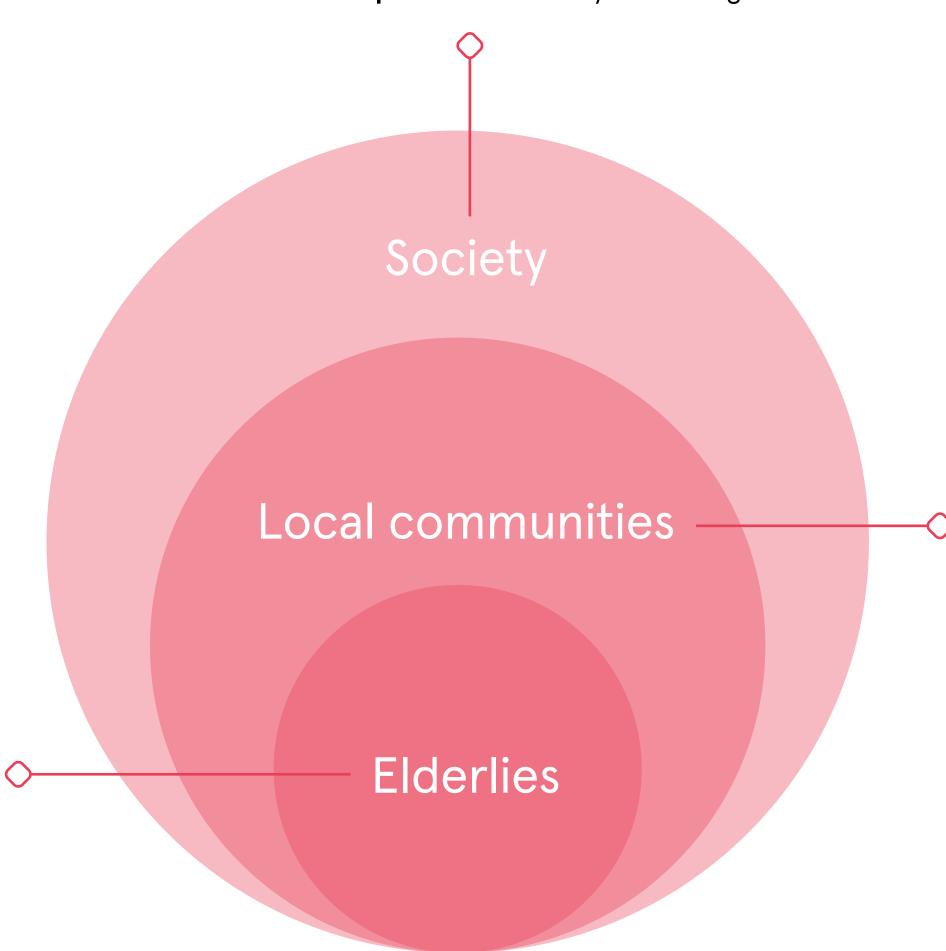


Figure 24. Timeline, based on team planning over 14 weeks.



Lead to a more **inclusive society** towards senior citizens, and mobilize different social stakeholders to **face the social problem** of elderly well-being.



Local communities would benefit of a more lively participation, **improving the power of mutual assistance** among the neighborhood. Meanwhile, a cohesive local community will become a powerful promoter of a **sustainable ways of living**.

Figure 25. Significance based on the development of the central idea.

in leading a more **digitalized lifestyle**.

Improving elderly's capabilities of self-management,

helping them to get quick support for their physical

and mental well-being as well as supporting them

ooo Thank you! ooo

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Zhou Yi

Yang Ruixin