

# Integrating perspectives of transgender and gender-diverse youth, family members, and professionals to support their health and wellbeing – a mixed-method study protocol.

Julie Servais<sup>1,\*</sup>, Bram Vanhoutte<sup>1</sup>, Sara Aguirre-Sánchez-Beato<sup>2</sup>, Isabelle Aujoulat<sup>3</sup>, Cynthia Kraus<sup>4</sup>, Guy T'Sjoen<sup>5</sup>, Sandra Tricas-Sauras<sup>1</sup>, Isabelle Godin<sup>1</sup>

<sup>1</sup> School of Public Health – Université libre de Bruxelles; CP 596. Route de Lennik, 808, 1070 Brussels, Belgium

<sup>2</sup> Faculty of Psychology and Education, - Université libre de Bruxelles, CP 122. Avenue F.D. Roosevelt, 50 1050 Brussels, Belgium

<sup>3</sup> Health and Society Research Institute – UCLouvain, Clos Chapelle-aux-champs 30/B1.30.15, 1200 Woluwe-Saint-Lambert, Belgium

<sup>4</sup> Faculty of Social and Political Sciences – UNIL, CH-1015 Lausanne, Switzerland

<sup>5</sup> Faculty of Medicine and Health Sciences – Ghent University Hospital– C. Heymanslaan 10, 9000 Ghent, Belgium

\* Correspondence: [Julie.servais@ulb.be](mailto:Julie.servais@ulb.be)

## Abstract

**Background** The current literature highlights a strong link between the poor health outcomes of transgender and gender diverse (TGD) individuals and their negative experiences in various areas of life. Most of these publications rely on adults' memories, lacking a focus on the current experiences and needs of young transgender and gender-diverse individuals. Furthermore, previous studies on support for these young people often solely consider the perspectives of TGD adults or professionals and rarely involve parents' viewpoints.

**Methods** This study will use a mixed sequential method with a participatory approach. Firstly, the qualitative phase will explore the difficulties and needs of TGD (15-20 years old) and of the families and professionals who support them. Results from this part will be used to develop the questionnaire for the quantitative phase, with the help of a community board. Secondly, based on participatory epidemiological research, the quantitative phase will use an intersectional perspective to measure the impact of individual and structural factors on the quality of life and well-being of transgender and gender-diverse young people. Finally, a co-

26 creation phase will be undertaken to formulate recommendations based on the results of the  
27 first two phases.

28 **Discussion** This research aims at better understanding the influence of gender identity on the  
29 quality of life and health of TGD young people and their families and to identify protective and  
30 risk factors that affect their vulnerabilities.

31 **Ethics and dissemination** This study has been approved by the Ethics Committee of the  
32 Erasme Faculty Hospital (CCB B4062023000140). As this research is participatory and part of  
33 a PhD dissertation, we aim to disseminate the results through our partners' networks and  
34 structures locally, and internationally through conferences and peer-reviewed journals.

35 **Keywords:** mixed-methods – transgender – gender-diverse – youth – co-construction

## 36 **Background**

37 The lack of inclusion of lesbian, gay, bisexual, transgender, queer, intersex, asexual  
38 (LGBTQIA+) communities is a significant issue in schools, sports, work, and healthcare [1-5].  
39 Discrimination, integration issues, greater risk of harassment are all challenges faced by young  
40 LGBTQIA+ people [6-8]. Previous research revealed the many aspects of their oppression, all  
41 of which have deleterious effects on the health and well-being of this population [9-12].  
42 Similarly, limited access to health care and quality care [13, 14], substance use [15], greater  
43 risk of harassment [11, 12], homelessness and poverty [16-18] all contribute to the potentially  
44 poor health of transgender and gender diverse (TGD) people.

45 The period between 15 and 20 years of age is widely recognised as a period of life  
46 characterised by both physical and psychological profound changes as well as changes in the  
47 social and family sphere [19-21]. It is a period marked by the transition from a vertical  
48 socialisation provided by the family home to a horizontal socialisation characterised by a  
49 detachment from the home and increasing closeness to peers [22, 23]. During this period, young

50 people may be confronted with specific vulnerabilities that can endanger their future prospects  
51 such as discontent, self-esteem and self-image disorders, family breakdowns, etc. [21, 24, 25].  
52 These vulnerabilities can be amplified in a situation of gender non-conformity because the  
53 youth has to deal with gendered aspects of bodily changes, identity issues, the gaze and opinions  
54 of his or her family and the judgement of others [26, 27]. Although there are few qualitative  
55 studies on the experiences of young TGD people [28], the frequency of negative experiences  
56 related to the gaze or opinions of others seems to be linked to the age of the young person at  
57 the time of the occurrence. They are more prevalent in primary and secondary schools than in  
58 tertiary education, according to the testimony of TGD adults [29].

59         Gender non-conforming can cause difficulties in family life, social life, school life and  
60 other important areas, especially in the 15-20 age group [15, 30, 31]. Yet parent- or youth-  
61 initiated counselling often lags, partly because the topic is still taboo in many families, regions  
62 and countries [32, 33]. The literature indicates that most parents accept that there is variation in  
63 their child's gender expression on a transitory basis [34-36]. However, when this persists, they  
64 become concerned about their child's psychosocial well-being. Unsure of the appropriate way  
65 to deal with the issue, most of them seek help and support by taking the step to consult a mental  
66 health professional together [34-38]. In other cases, parents find it more difficult to accept a  
67 young person that does not correspond to their gender expectations, notably because of cultural  
68 or community pressures and/or their own beliefs [39].

69         Regarding '*generic*' health care, several studies have shown that the main barriers to  
70 quality care are related to the lack of training of health care professionals as well as to their  
71 representations regarding the TGD youth [40, 41]. Indeed, family doctors and psychologists  
72 that are not specifically active or trained in the field of TGD care seem to lack the relevant and  
73 useful information to meet the needs of this population and to appropriately refer them and/or  
74 answer their questions [29, 42-45].

75 To identify the age-specific needs of young people, awareness raising in schools is  
76 necessary [46-49]. Educational professionals can also play a key role in the acceptance and  
77 affirmation of a young person's gender identity by having a supportive and caring attitude [29,  
78 49, 50]. But when faced with difficult situations at school, such as access to locker rooms or  
79 gymnastics classes that are still too cisnormative, or when subjected to bullying based on gender  
80 identity, professionals such as psycho-medical-social workers generally don't have much  
81 knowledge or answers to offer on TGD-related issues [49, 50].

82 While TGD people are becoming more visible, with media coverage of some artists  
83 coming out and several films or series following the journeys of TGD people, and while Belgian  
84 policy emphasises the promotion of sexual, emotional and relational health (especially in  
85 schools) to reduce gender-related social and health inequalities, current literature shows that  
86 negative health outcomes for TGD people are still strongly correlated with negative experiences  
87 in their own environment, such as - family, school, health care, etc. [15, 49, 51-53]. However,  
88 these findings are often the result of retrospective accounts from adults and there are very few  
89 studies on the current experiences and needs of TGD youth. According to Költö, this is one of  
90 the current research gaps, at least in Europe, for this community [28]. Furthermore, previous  
91 studies on the issue of support for young TGD people have approached it either from the  
92 perspective of TGD people or from the perspective of professionals, but rarely from a  
93 combination of the two and fail to consider parents' perceptions. The aim of the project is to  
94 co-construct recommendations and proposals for relevant support strategies in order to improve  
95 the well-being of TGD young people in their different life settings.

## 96 **Theoretical underpinnings**

97 This research project will use the framework of the bio-ecological model [54-56] and  
98 intersectionality theory [57].

99           Bronfenbrenner's bio-ecological systems theory was developed to understand human  
100 development within various interconnected systems [54-56]. The subsystems identified by  
101 Bronfenbrenner include: 1/ the microsystem (directly interacting groups such homes, schools,  
102 or religious communities); 2/ the mesosystem (relationships between two or more  
103 microsystems, such as school and parents); 3/ the exosystem (environments influencing  
104 development without direct influence, such as the media); and 4/ the macrosystem (broader  
105 systems encompassing community, culture, and politics) [54-56]. Finally, chronosystem  
106 includes the experiences and life changes of youth over time, both personally and socio-  
107 culturally, as well as their individual developmental trajectories. This theory has been applied  
108 to a variety of contexts, including to transidentity [58-60].

109           While recognising individuals are situated at the intersection of various systems,  
110 ecological system theory places less emphasis on how social group membership impacts their  
111 experiences within these contexts. This is exactly what intersectionality theory emphasizes:  
112 individuals' experiences and functioning are strongly influenced by the interplay between social  
113 categories (e.g., ethnicity, social class, gender, sexual orientation) in multiple systems of  
114 oppression and privilege [57, 61].

115           Nevertheless, while intersectionality highlights the multiple and interconnecting  
116 systems that perpetuate inequality and opportunity [57], it lacks an explicitly developmental  
117 dimension [62]. By merging intersectional and ecological perspectives, as demonstrated by  
118 some authors [62-64], it becomes possible to achieve a comprehensive integration of each  
119 identity, their intersections, and their interactions with different subsystems. In essence, this  
120 approach aims to establish connections between different systems of oppression (e.g., racism,  
121 transphobia, classism) and contexts (e.g., family, school, neighbourhood) that are intricately  
122 intertwined.

## 123 **Methods**

### 124 **Study aim**

125 This research project seeks to gain a better understanding of the influence of gender identity on  
126 the quality of life and health of TGD adolescents and young adults (AYAs) (15 to 20 years old)  
127 and their families, and to identify the risk factors that increase their vulnerability. The ultimate  
128 aim of this research will be to co-construct intervention and support approaches based on the  
129 preferences and needs of TGD AYAs and their families, as well as on the needs of the people  
130 who support them. In this sense, participatory research methods will be favoured as they enable  
131 the sources of marginalisation to be identified, understood, and addressed in close collaboration  
132 with communities such as young TGD people. Moreover, this participatory approach has the  
133 potential to cultivate collaborative relationships among individuals engaged in the lives of these  
134 youths with various gender identities. This promotes a collective comprehension of the most  
135 efficient methods for shaping systems and instigating profound change [65-67].

136 This main objective and methodology give rise to three areas of research linked to  
137 interdependent secondary objectives:

138 **1. Qualitative study** to address the difficulties and needs of TGD young people by integrating  
139 their perspective, knowledge, and experience as well as those around them namely parents,  
140 siblings, extended family, and professionals.

141 • To understand and characterise the representations of gender diversity, the lived  
142 meaning, and perceptions of TGD AYAs currently living in French-speaking Belgium.

143 • To identify the resources (social, professional and/or other) that young TGD AYAs use  
144 and the types of additional support they would need.

145 • To understand and characterise the representations and perceptions of the experiences  
146 of young TGD AYAs through the eyes of parents (and extended family) and  
147 professionals who accompany them.

148 **2. Quantitative study** to be designed on the basis of the results of the qualitative component  
149 and designed in collaboration with an expert group. This part aims to assess, among other  
150 things, whether there is a difference in quality of life, self-confidence, and satisfaction with  
151 the support between the different TGD identities through the lens of intersectionality, and  
152 if so, to describe the nature of this difference.

- 153 • To describe and clarify the average scores on outcomes listed above, considering gender  
154 diversity beyond binarity.
- 155 • To describe and clarify the average scores on outcomes above while considering the  
156 intersection of different social locations, power relations and experiences.

157 **3. Co-construction** to produce recommendations on the basis of the results of the qualitative  
158 and quantitative data collection. This part aims to build a more inclusive society that  
159 considers gender and identity diversity and for improving the support of TGD young people  
160 by considering their perspectives, their needs and those of parents (and extended family)  
161 and professionals who support them.

## 162 **Study design**

163 This project will use mixed methods by conducting both qualitative and quantitative research  
164 in a sequential manner (see Fig.1). As some authors point out, the combination of qualitative  
165 and quantitative approaches allows for a greater in-depth understanding of the results for the  
166 study of complex social, behavioural and health phenomena [68-70]. An additional reason for  
167 using a mixed method approach is the possibility to triangulate the results, which assumes that  
168 ‘the use of different sources of information will confirm and improve the clarity of a research  
169 result’ and in the case of this project, the relevance of the recommendations [71]. The qualitative  
170 study aims to understand the representations, perceptions and lived meanings of gender identity  
171 of the different stakeholders. Due to our research priorities, the qualitative component will be  
172 strongly developed due to the lack of research in this area in French-speaking Belgium,

173 particularly in our study population. From a sequential exploratory perspective, identifying the  
174 living environments that are important for young people with TGD and their needs in terms of  
175 guidance and support will enable us to design the questionnaire for the quantitative part of this  
176 research [72]. This part will enable us to reach a wider population and see whether the living  
177 environments and support needs identified are the same according to the internal diversity of  
178 gender identities within the TGD population.

179

180 *Figure 1 : Research design - sequential mixed methods should be placed here*

181

## 182 **Resonance group**

183 Co-construction methods allow us to bring together different types of knowledge (experiential,  
184 professional) without taking into account a hierarchy between them [73]. Therefore, from the  
185 start of the project, our methodology will include the creation of a resonance group composed  
186 of TGD adults, family members (experiential knowledge), and field professionals (professional  
187 knowledge). Throughout the project and beyond, the members of this resonance group commit  
188 to accompanying and questioning the researcher individually and as a group, based on their  
189 expertise and availability. This group will guide the researcher through the different parts of  
190 the project (see Fig.1), such as 1/ language and terminology, 2/ development of the interview  
191 guide, 3/ recruitment in both qualitative and quantitative parts, 4/ interpretation of qualitative  
192 results, 5/ co-designing the survey tool, 6/ interpretation of quantitative results, 7/ support for  
193 the dissemination of the results, 8/ participation in the co-construction step and 9/ clarification  
194 and reflection on our position throughout the research process.



## 195 **Qualitative phase**

### 196 **Participants**

197 Participants in the qualitative part of the study will be from three stakeholder groups,  
198 transgender youth, parents (and/or extended family) and professionals. The study will include  
199 participants from French-speaking Belgium and Brussels.

### 200 *Transgender youth*

201 For the semi-structured interviews with young TGD people, we aim to include French speaking  
202 young people aged 15-20. They will be recruited through different networks: 1/ via trans-  
203 specific care consultations; 2/ via partner associations in the research project; 3/ via social  
204 networks. Depending on the location, professionals will either be asked to inform young people  
205 and their parents about the research project, or they will select young people capable of  
206 participating in this type of project beforehand. At first, the Schedule for the Evaluation of  
207 Individual Quality of Life (SEIQoL) tool will be used to encourage young people to narrate  
208 what they consider essential to their quality of life [74]. The semi-structured interview, which  
209 is central to the approach, invites the participants to express themselves initially on the  
210 dimensions that are most important to them in terms of quality of life, then on their current level  
211 of satisfaction in each of the dimensions. Finally, they are asked to rank the dimensions that  
212 make up their quality of life according to level of importance [75, 76]. Following this  
213 assessment, we will ask the young people to take one or two photos per dimension (those  
214 mentioned by the young person), and we will schedule a second interview with them.  
215 Photovoice often enables comprehensive data to be obtained by facilitating a relationship  
216 between the participant and the interviewer and by encouraging participants to provide an in-  
217 depth understanding of their experiences in terms of emotions, feelings and ideas [77]. This

218 method is a form of participatory method and is particularly suited to research with adolescents  
219 and young people [78-80].

### 220 ***Parents and professionals***

221 Parents (and extended family) and professionals' recruitment will be undertaken via 1/ trans-  
222 specific care consultations; 2/ via partner associations in the research project; 3/ via social  
223 networks; 4/ via email or phone call campaigns to professionals working in the areas  
224 highlighted by the interviews with young people. Data will be collected through semi-structured  
225 interviews supported by a thematic interview guide as the content helps to sustain the discussion  
226 but leaves it open to flexibility and creativity [81]. The interview guide will be developed with  
227 the resonance group and based on the literature. Given the sensitive nature of the topic, we will  
228 consider the use of tools such as vignettes, photos, or any other relevant instrument to facilitate  
229 dialogue and reduce participant reluctance [82-84]. Through these interviews we would like to  
230 understand how the different stakeholders perceive the current organisation of the  
231 comprehensive care system in relation to the needs highlighted by the young people. We would  
232 also like to understand how they perceive their own needs and the specific needs of young TGD  
233 people are being currently considered and what potential improvements they would like to see  
234 introduced into the Belgian system to improve the inclusion of this community.

### 235 **Data collection**

236 With the consent of participants, the sessions will be recorded. This will allow us to fully  
237 concentrate on the interview. The recordings will be transcribed *ad verbatim* and analysed  
238 thematically, based on the content of the answers, and iteratively. Based on the first interviews,  
239 an initial list of emerging codes will be identified and organised in a tree structure. The theme  
240 is identified inductively: once identified, this theme is compared with other data to confirm its  
241 presence in other interviews (deductive approach) [81, 85, 86]. The data will be compared

242 between the interviews of the TGD young people, the parents, and the professionals to make an  
243 initial theoretical comparison. In a later stage, we will bring them into dialogue with theoretical  
244 constructs from the literature. Upon completion of the analysis, the recordings will be  
245 destroyed.

## 246 **Quantitative phase**

### 247 **Participants**

248 When collecting qualitative data, we chose not to select our participants based on their gender  
249 identity. Nevertheless, several articles highlight the importance of considering the internal  
250 diversity of the TGD population in research [15, 52, 87-89]. Therefore, we plan to undertake a  
251 quantitative data collection on gender plurality in French-speaking Belgium with an online  
252 survey tool.

### 253 **Sample**

254 Survey participants will be recruited using two methods: either in person (through events,  
255 community gatherings, trans-specific care clinics) or online (through mailing lists, social  
256 networks). The eligibility criteria will be: 1/ to identify as a TGD person; 2/ to be at least 15  
257 years old and less than 20; 3/ to live in Belgium; 4/ to be able to understand French, or English.  
258 A convenience sampling approach within the TGD population will be used. Although there is  
259 no precise data on the size of the TGD population worldwide and figures depend on the  
260 definition of transidentity used, estimates suggest a prevalence of 0.7% to 2.5% among young  
261 people aged 15 to 20 [15, 90-93]. In French speaking Belgium, based on the age pyramid,  
262 transidentity would therefore concern between 2,472 and 8,827 young people between 15 and  
263 20 years of age [94]. For this reason, it would be ideal to have a sample size of at least 300  
264 people, i.e. an estimate of 5% of the population of young people targeted by the study, in order  
265 to have sufficient statistical power to carry out the analyses.

266 **Type of study**

267 This is a cross-sectional observational study. Like the other parts of this research project, this  
268 study will be based on four of the principles of participatory research as defined by Israel et al.  
269 [95] and adapted by Bach et al. [96, 97] to fit participatory epidemiology: 1/ joint definition of  
270 objectives and research questions, 2/ joint definition of the populations studied and their health-  
271 related contexts, 3/ selection or development of appropriate survey instruments, and 4/  
272 dialogical forms of interpretation of results. We therefore cannot add supplementary data as the  
273 questionnaire will be based on findings from the qualitative data and constructed with the help  
274 of the resonance group and some of the people interviewed in the first part of the project and  
275 who are willing to participate [98, 99]. Nevertheless, some parts of the *Health Behaviour in*  
276 *School-aged Children (HBSC)* study will be used as a baseline. HBSC is an international cross-  
277 sectional school survey conducted every four years in around fifty countries [100], including  
278 Belgium. Data on health status, health behaviours and well-being are collected from children  
279 and adolescents between 10 and 21 years of age.

280 **Data analysis**

281 Data analysis will be undertaken using Stata 17.0 software. All variables included the study  
282 questionnaire will be analysed. Missing data will be reported. For the description of the sample,  
283 the qualitative variables will be described and compared using the Pearson's Chi-2 test or  
284 Fisher's exact test if the former is not applicable.

285 Then, the data analysis will be divided into two stages: bivariate analysis and  
286 multivariate analysis. The bivariate analysis will consist of measuring separately the strength  
287 of the associations between gender identity and each of the exposure factors, without adjusting  
288 for potential confounders. The multivariate analysis will be performed using adjusted  
289 multivariate regression models with binary and non-binary identities as the main statistical

290 predictor of social and health outcomes, adjusted for the following control variables: age,  
291 education, ethnicity, region of residence [101].

## 292 **Co-creation phase**

293 This part of the project will focus on comparing and contrasting the perceptions of young  
294 people, parents and professionals regarding gender identity and will allow to co-construct with  
295 them recommendations for good practice around non-medical support for young TGD people.  
296 We will encourage group discussions with an emphasis on participatory methods to empower  
297 the different actors [82, 102-105].

## 298 **Participants**

299 The resonance group and the participants interviewed in the first part of the project will be  
300 invited to participate in this stage of the project. Each person interested in participating in this  
301 group, whether they were interviewed in the previous phase or came through another channel,  
302 will be asked to fill in a description form and explain why they wish to participate in this group.  
303 This information will allow for the composition of the groups to be balanced, ensuring a good  
304 flow of discussion between participants, as recommended in co-construction methods [73, 103].

305 To prepare TGD young people to participate in larger groups, we will meet them first  
306 through focus groups. In a second phase, more diverse groups will be organised with 8-12  
307 participants, mixing equally TGD youth, parents (and family members) and professionals. They  
308 will be invited to regular participation like communities of practice to promote the co-  
309 construction of knowledge through an iterative process [103, 106].

## 310 **Course of the activities**

311 The members of each group will be asked to respect the confidentiality of exchanges and any  
312 other provision that the group members consider necessary for their proper functioning [107,

313 108]. Prior to the meetings (4 sessions will be planned), preparatory material will be  
314 communicated to the participants, either for individual appropriation or during a collective  
315 session between participants. Indeed, the co-construction of knowledge is an iterative process,  
316 which proceeds in sequences: ideally, the participants alternate times of individual and  
317 collective work [106].

318 Each participant will also be asked to keep a virtual or paper log of their experience  
319 [109, 110]. If participants wish to do so, they may share all or part of this with the researcher  
320 to illustrate this in the final manuscript. An external support person will be identified and will  
321 participate in the different groups to ensure the psychological safety of the participants: [111].

322 These group discussions will have two purposes: 1/ to discuss the emerging themes from  
323 the interviews and the results of the quantitative data collection; 2/ to formulate  
324 recommendations and good practices based on these results.

### 325 **Data management and analysis**

326 Thanks to the recording of the discussions (with the consent of the participants), a report will  
327 be written for each group session, summarising the discussions, the elements to be included in  
328 the analysis of the results of the interviews and the elements that the participants wish to use in  
329 the next session. The data collected will be used to inform the analysis of the interviews and  
330 potentially to undertake additional analysis if new data is collected during the discussions. The  
331 minutes will be shared with the participants and will only be accessible to members of the  
332 working group.

333 This will therefore be used to support the integrated findings of the qualitative and  
334 quantitative parts and to help formulate recommendations.

## 335 **Ethical considerations**

336 When considering research, particularly when involving sensitive issues and adolescents and  
337 young adults, ethical aspects are essential to consider [112], which is why the research protocol  
338 was submitted to the Ethics Committee of the Erasme Faculty Hospital and received its  
339 approval on the 27<sup>th</sup> of July 2023 (CCB B4062023000140).

340 Before submitting the research protocol to the ethics committee, a literature review was  
341 carried out to identify the methodological and ethical challenges associated with participatory  
342 research with TGD young people. A secondary objective of this literature review was to  
343 highlight the considerations when parental consent is required, as obtaining parental consent  
344 may compromise their safety, well-being, or privacy, if they live in case their family is not  
345 supportive [113-115]. This issue puts young people's rights to autonomy, privacy, and freedom  
346 in tension with parents' rights to protect their children and is perhaps one of the reasons why  
347 findings about the TGD community are often the product of adult retrospective accounts [112,  
348 114, 116].

349 For the qualitative study, we will pay particular attention to the participation of minors  
350 in this project: consent will be adapted, and they may be accompanied by a trusted person. In  
351 addition to a description of the project, a consent form will be provided to each participant in  
352 order to collect their consent and to provide them with information on confidentiality, their right  
353 to access the data, their right to rectify it if considered to be incorrect, their right to object to its  
354 the use, and the right to be forgotten. The participants' identity will be protected by using  
355 pseudonyms, and any data that may identify an individual will not be transcribed or coded.  
356 Pseudonyms will be used on all files and transcripts. Each participant will be given a copy of  
357 the transcript of their interview on request. All the data used are solely for research purposes in  
358 the context of this project. Finally, in regards to the risks of participating in research in a health  
359 field that includes vulnerable populations, we will provide a contact person to liaise with

360 participants [112]. For the quantitative study, we will not include any identification information  
361 as it will be an anonymous survey. An information and consent section will be provided before  
362 participation in the survey.

### 363 **Dissemination**

364 Participative research emphasises on prioritising the experiences, perspectives, and actions of  
365 participants (e.g., storytellers, data producers) over academic researchers. The goal is to  
366 safeguard participants' narratives, stories, and their roles as 'tellers' or authors from being  
367 dismissed or silenced [117]. Therefore, an emphasis on the principles of dissemination as  
368 described by Israel [95] will be made. One key principle in this regard indicates that the  
369 researcher must consult participants before submitting documents for publication, acknowledge  
370 the contributions of participants and, where appropriate, develop collaborative publications  
371 [95].

372 As this research is part of a doctoral thesis, dissemination will also be carried out  
373 through its publication as a dissertation, as well as through several scientific articles and  
374 presenting of results at conferences. The members of the resonance group will be able to ensure  
375 their own dissemination plan with or without the help of the researcher for dissemination of  
376 results. Particular attention will be paid to translating research findings into understandable  
377 language so that they can be disseminated as widely as possible [118].

### 378 **Discussion**

379 This research aims to better understand the influence of gender identity on the quality of life  
380 and health of TGD young people and their families and to identify protective and risk factors  
381 that decrease or increase their vulnerabilities. However, the approach chosen for this study  
382 presents several challenges. Ethically, like many other countries, Belgium requires parental  
383 consent prior to participation in medical or non-medical research [119, 120]. This is known as



384 the *statutory approach* to consent, in other words, the legal approach to consent. Although seen  
385 as an important safety barrier and good practice, the requirement for parental consent is open  
386 to criticism as it may discourage young people, particularly those who are marginalised, from  
387 participating in research [112, 115, 121-124]. For this reason, this project will favour a *maturity*  
388 *or skills-based approach*, which values young people's agency. This approach highlights the  
389 fact that young people's ability to understand is dynamic and developing, and is most certainly  
390 influenced by their life experiences and socio-cultural contexts [125].

391         Beyond the question of consent, and from a methodological perspective, the specific  
392 participation of young people in this type of research also highlights some important issues.  
393 Firstly, like other social groups, young people are not a homogenous group. Secondly, factors  
394 such as socio-economic class, ethnicity, culture, and environment play a very important role in  
395 their life experiences. Although participatory research does not necessarily prioritise  
396 representativeness, it is often more beneficial to involve some young people while being aware  
397 of and acknowledging the voices that are included or overlooked, rather than conducting  
398 research without any input from young people. A combination of data collection methods can  
399 then enable us to hear the voices of those who were not reached in the qualitative part. In  
400 addition, participatory methods pose challenges in terms of negotiating boundaries and power  
401 dynamics, especially when involving young people. Firstly, researchers need to move from  
402 their traditional role of producing results and recommendations (problem definition) to the role  
403 of facilitators, working with communities to find solutions that meet their needs [126].  
404 Secondly, in order to avoid adultism (where young people are marginalised because of their age  
405 and experience), they need to re-conceptualise the relationship between adults and young  
406 people as an equal one [127].

407         This research project also has strengths. The creation of a resonance group to overcome  
408 the challenges mentioned above is considered to be a strength. Indeed, this group will help us

409 ground our research locally, including recruiting these young people. It will also ensure that the  
410 study and its methods are acceptable to the community [105]. The use of mixed methods is also  
411 a strong point of this research project, as these methods allow a better understanding of complex  
412 social phenomena [68, 70, 72].

413 At the macro-level, the study may help to address important policy and research  
414 questions. The knowledge co-construction approach suits to influence policy by generating  
415 evidence and supporting citizen participation - understood as the involvement of actors in  
416 society in the broadest sense [128]. Therefore, political authorities are likely to be interested in  
417 the results of our project, especially given the development of various policies that consider  
418 LGBT+ communities.

419 **Ethics approval** This protocol was approved by the Ethics Committee of the Erasme Faculty  
420 Hospital (CCB B4062023000140)

421 **Patient consent for publication** Not applicable

422 **Availability of data and materials** Not applicable

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## 428 **References**

- 429 1. Beemyn G: **The Experiences and Needs of Transgender Community College Students.**  
430 *Community College Journal of Research and Practice* 2012, **36**:504-510.

- 431 2. McKinney JS: **On the Margins: A Study of the Experiences of Transgender College**  
432 **Students.** *Journal of Gay & Lesbian Issues in Education* 2005, **3**(1).
- 433 3. Patchett E, Foster J: **Inclusive Recreation: The State of Campus Policies, Facilities,**  
434 **Trainings Programs for Transgender Participants.** *Recreational Sports Journal* 2018,  
435 **39**(2):83-91.
- 436 4. Safer JD, Coleman E, Feldman J, Garofalo R, Hembree W, Radix A, Sevelius J: **Barriers**  
437 **to Health Care for Transgender Individuals HHS Public Access.** *Curr Opin Endocrinol*  
438 *Diabetes Obes* 2016, **23**(2):168-171.
- 439 5. Seelman KL: **Recommendations of transgender students, staff, and faculty in the USA**  
440 **for improving college campuses.** *Gender and Education* 2014, **26**(6):618-635.
- 441 6. Newhook JT, Winters K, Pyne J, Jamieson A, Holmes C, Feder S, Pickett S, Sinnott M-L:  
442 **Teach your parents and providers well.** *Canadian Family Physician* 2018, **64**(5):332-  
443 335.
- 444 7. Smalley KB, Warren JC, Barefoot KN: **Differences in health risk behaviors across**  
445 **understudied LGBT subgroups.** *Health Psychology* 2016, **35**(2):103-114.
- 446 8. Veale JF, Watson RJ, Peter T, Saewyc E: **Mental Health Disparities Among Canadian**  
447 **Transgender Youth.** *Journal of Adolescent Health* 2017, **60**(1):44-49.
- 448 9. Albuquerque GA, de Lima Garcia C, da Silva Quirino G, Alves MJH, Belém JM, dos Santos  
449 Figueiredo FW, da Silva Paiva L, do Nascimento VB, da Silva Maciel É, Valenti VE *et al*:  
450 **Access to health services by lesbian, gay, bisexual, and transgender persons:**  
451 **systematic literature review.** *BMC International Health and Human Rights* 2016, **16**(2).
- 452 10. Brandes A: **The Negative Effect of Stigma, Discrimination, and the Health Care System**  
453 **on the Health of Gender and Sexual Minorities.** *Law & Sexuality* 2014, **23**:155-178.
- 454 11. McCann E, Brown M: **Discrimination and resilience and the needs of people who**  
455 **identify as Transgender: A narrative review of quantitative research studies.** *Journal*  
456 *of Clinical Nursing* 2017, **26**(23-24).
- 457 12. Winter S, Diamond M, Green J, Karasic D, Reed T, Whittle S, Wylie K: **Transgender**  
458 **people: health at the margins of society.** *The Lancet* 2016, **388**(10042).
- 459 13. Noonan EJ, Sawning S, Combs R, Weingartner LA, Martin LJ, Jones VF, Holthouser A:  
460 **Engaging the Transgender Community to Improve Medical Education and Prioritize**  
461 **Healthcare Initiatives.** *Teaching and Learning in Medicine* 2018, **30**(2):119-132.
- 462 14. Rider GN, McMorris BJ, Gower AL, Coleman E, Eisenberg ME: **Health and Care**  
463 **Utilization of Transgender and Gender Nonconforming Youth: A Population-Based**  
464 **Study.** *Pediatrics* 2018, **141**(3):e20171683-e20171683.
- 465 15. Eisenberg ME, Gower AL, McMorris BJ, Rider GN, Shea G, Coleman E: **Risk and**  
466 **Protective Factors in the Lives of Transgender/Gender Nonconforming Adolescents.**  
467 *Journal of Adolescent Health* 2017, **61**(4):521-526.
- 468 16. Keuroghlian AS, Shtasel D, Bassuk EL: **Out on the street: A public health and policy**  
469 **Agenda for lesbian, gay, bisexual, and transgender youth who are homeless.**  
470 *American Journal of Orthopsychiatry* 2014, **84**(1):66-72.
- 471 17. McCann E, Brown M: **Homelessness among youth who identify as LGBTQ+: A**  
472 **systematic review.** *Journal of Clinical Nursing* 2019, **28**:2061-2072.
- 473 18. McCann E, Brown M: **Homeless experiences and support needs of transgender**  
474 **people: A systematic review of the international evidence.** *Journal of Nursing*  
475 *Management* 2021, **29**(1):85-94.
- 476 19. Tanti C, Stukas AA, Halloran MJ, Foddy M: **Social identity change: Shifts in social**  
477 **identity during adolescence.** *Journal of Adolescence* 2011, **34**:535-567.

- 478 20. Albarello F, Crocetti E, Rubini M: **I and Us: A Longitudinal Study on the Interplay of**  
479 **Personal and Social Identity in Adolescence.** *Journal of Youth and Adolescence* 2018,  
480 **47(4):689-702.**
- 481 21. Potterton R, Austin A, Robinson L, Webb H, Allen KL, Schmidt U: **Identity Development**  
482 **and Social-Emotional Disorders During Adolescence and Emerging Adulthood: A**  
483 **Systematic Review and Meta-Analysis.** *Journal of Youth and Adolescence* 2022, **51:16-**  
484 **29.**
- 485 22. Erikson E: **Adolescence et crise : La quête de l'identité.** Paris: Flammarion; 1968.
- 486 23. Schachter A, Galliher R: **Fifty Years Since "Identity: Youth and Crisis": A renewed Loof**  
487 **at Erikson's Writings on Identity.** *Identity: An International Journal of Theory and*  
488 *Research* 2018, **18(4):247-250.**
- 489 24. Délégation interministérielle à la prévention et à la lutte contre la pauvreté des enfants  
490 et des jeunes: **Prevenir la vulnérabilité des jeunes et favoriser leur insertion.** In. ;  
491 2018: 36-36.
- 492 25. Verot C, Dulin A: **Arrêtons de les mettre dans des cases ! Pour un choc de**  
493 **simplification en faveur de la jeunesse.** In. France: Gouvernement Français; 2017:  
494 182-182.
- 495 26. Cohen-Kettenis PT, Pfäfflin F: **Transgenderism and intersexuality in childhood and**  
496 **adolescence: Making choices.** Thousand Oaks: SAGE Publications, Inc; 2003.
- 497 27. Wallien MSC, Cohen-Kettenis PT: **Psychosexual Outcome of Gender-Dysphoric**  
498 **Children.** *Journal of the American Academy of Child & Adolescent Psychiatry* 2008,  
499 **47(12).**
- 500 28. Költö A, Vaughan E, O'Sullivan L, Kelly C, Saewyc EM, Nic Gabhainn S: **LGBTI+ Youth in**  
501 **Ireland and across Europe: A two-phased Landscape and Research Gap Analysis.** In.  
502 Dublin: Departement of Children Equality Disability Integration and Youth,; 2021.
- 503 29. Motmans J, Wyverkens E, Defreyne J: **Être une personne transgenre en Belgique Dix**  
504 **ans plus tard.** In.: IGVM-IEFH; 2017.
- 505 30. Hale AE, Chertow SY, Weng Y, Tabuenca A, Aye T: **Perceptions of Support Among**  
506 **Transgender and Gender-Expansive Adolescents and Their Parents.** *Journal of*  
507 *Adolescent Health* 2021, **68(6):1075-1081.**
- 508 31. Martinerie L, Le Heuzey MF, Delorme R, Carel JC, Bargiacchi A: **Évaluation Et Prise En**  
509 **Charge D'Une Dysphorie De Genre Chez L'Enfant Et L'Adolescent.** *Archives de*  
510 *Pediatrie* 2016, **23(6):668-673.**
- 511 32. Greenberg KB, Handelman M, Alongi D: **"And Then i Knew That Trans was a Thing";**  
512 **Gender Expansive Youth and the Role of Primary Care Screening.** *Journal of*  
513 *Adolescent Health* 2017, **60(2):S89-S89.**
- 514 33. Khatchadourian K, Amed S, Metzger DI: **Clinical Management of Youth with Genre**  
515 **Dysphoria in Vancouver.** *The Journal of Pediatrics* 2014, **164(4):906-911.**
- 516 34. Ehrensaft D: **Gender Born, Gender Made. Raising Healthy Gender-Nonconforming**  
517 **Children.** New-York: The Experiment; 2011.
- 518 35. Grossman AH, D'Augelli AR, Howell TJ, Hubbard S: **Parents' reactions to transgender**  
519 **youths' gender nonconforming expression and identity.** *Journal of Gay and Lesbian*  
520 *Social Services* 2006, **18(1):3-16.**
- 521 36. Harper A, Singh A: **Supporting Ally Development with Families of Trans and Gender**  
522 **Nonconforming (TGNC) Youth.** *Journal of LGBT Issues in Counseling* 2014, **8(4):376-**  
523 **388.**

- 524 37. Bernal AT, Coolhart D: **Treatment and ethical considerations with transgender**  
525 **children and youth in family therapy.** *Journal of Psychotherapy & the Family* 2012,  
526 **23(4):287-303.**
- 527 38. Menvielle EJ: **Transgender children: Clinical and ethical issues in prepubertal**  
528 **presentations.** *Journal of Gay & Lesbian Mental Health* 2009, **13(4):292-297.**
- 529 39. Malpas J: **L'enfant en non-conformité de genre et sa famille: une approche**  
530 **systemique.** *Cahiers Critiques de Thérapie Familiale et de Pratiques de Réseaux* 2014,  
531 **52(1):139-165.**
- 532 40. Snelgrove JW, Jasudavicius AM, Rowe BW, Head EM, Bauer GR: **"Completely out-at-**  
533 **sea" with "two-gender medicine": A qualitative analysis of physician-side barriers to**  
534 **providing healthcare for transgender patients.** *BMC Health Services Research* 2012,  
535 **12(101):1-13.**
- 536 41. Stroumsa D, Shires DA, Richardson CR, Jaffee KD, Woodford MR: **Transphobia rather**  
537 **than education predicts provider knowledge of transgender health care.** *Medical*  
538 *Education* 2019, **53(4):398-407.**
- 539 42. Allen BJ, Coles MS, Montano GT: **A Call to Improve Guidelines for Transgender Health**  
540 **and Well-being: Promoting Youth-Centered and Gender-Inclusive Care.** *Journal of*  
541 *Adolescent Health* 2019, **65(4):443-445.**
- 542 43. **Transidentités dans l'enfance et professionnel.le.s: des clés pour accompagner**  
543 [\[https://www.noahgottlob.com/cles-pour-professionnel-le-s\]](https://www.noahgottlob.com/cles-pour-professionnel-le-s)
- 544 44. Radix AE: **Addressing needs of transgender patients: The role of family physicians.**  
545 *Journal of the American Board of Family Medicine* 2020, **33:314-321.**
- 546 45. **WPATH: Standards of Care for the Health of Transsexual, Transgender, and Gender**  
547 **Nonconforming People [7th Version].** In.: World Professional Association for  
548 Transgender Health; 2012.
- 549 46. Abreu RL, Black WW, Mosley DV, Fedewa AL: **LGBTQ Youth Bullying Experiences in**  
550 **Schools: The Role of School Counselors Within a System of Oppression.** *Journal of*  
551 *Creativity in Mental Health* 2016, **11(3-4):325-342.**
- 552 47. Blackburn MV, McCready LT: **Voices of queer youth in urban schools: Possibilities and**  
553 **limitations.** *Theory into Practice* 2009, **48(3):222-230.**
- 554 48. Bradlow J, Bartram F, Guasp A, Jadva V: **The experiences of lesbian, gay, bi and trans**  
555 **young people in Britain's schools in 2017.** In. London: Stonewall; 2017.
- 556 49. Saewyc EM, Thawer Z, O'Dwyer C, Sinclair J, Smith A: **Gender-Diverse : A Spotlight on**  
557 **th Health of Trans and Non-Binary Young people in BC.** In. Vancouver, BC: University  
558 of British Columbia and McCreary Center Society; 2021.
- 559 50. **Vie quotidienne en pratique** [\[https://infotransgenre.be/m/vie-quotidienne/ecole/\]](https://infotransgenre.be/m/vie-quotidienne/ecole/)
- 560 51. Andrzejewski J, Pampati S, Steiner RJ, Boyce L, Johns MM: **Perspectives of Transgender**  
561 **Youth on Parental Support: Qualitative Findings From the Resilience and**  
562 **Transgender Youth Study.** *Health Education and Behavior* 2021, **48(1):74-81.**
- 563 52. Lefevor GT, Boyd-Rogers CC, Sprague BM, Janis RA: **Health disparities between**  
564 **genderqueer, transgender, and cisgender individuals: An extension of minority stress**  
565 **theory.** *Journal of Counseling Psychology* 2019, **66(4).**
- 566 53. OCDE: **Le défi LGBT : Comment améliorer l'intégration des minorités sexuelles et de**  
567 **genre?** In.: Organisation for Economic Co-operation and Development (OECD); 2019.
- 568 54. Bronfenbrenner U, Evans GW: **Developmental Science in the 21 st Century: Emerging**  
569 **Questions, Theoretical Models, Research Designs and Empirical Findings.** *Social*  
570 *Development* 2000, **9(1):115-125.**

- 571 55. Rosa EM, Tudge J: **Urie Bronfenbrenner's Theory of Human Development: Its**  
572 **Evolution from Ecology to Bioecology.** *Journal of Family Theory & Review* 2013,  
573 **5(4):243-258.**
- 574 56. Bronfenbrenner U, Morris PA: **The ecology of developmental processes.** In: *Handbook*  
575 *of Child Psychology.* 5th edn. Edited by Lerner RM. New-York: Wiley; 1998: 993-1028.
- 576 57. Crenshaw K: **Demarginalizing the intersection of race and sex: A Black feminist**  
577 **critique of antidiscrimination doctrine, feminist theory and antiracist politics.**  
578 *University of Chicago Legal Forum* 1989, **140:139-167.**
- 579 58. Alessi EJ, Kahn S, Chatterji S: **'The darkest times of my life': Recollections of child**  
580 **abuse among forced migrants persecuted because of their sexual orientation and**  
581 **gender identity.** *Child Abuse and Neglect* 2016, **51:93-105.**
- 582 59. Bounds DT, Otwell CH, Melendez A, Karnik NS, Julion WA: **Adapting a family**  
583 **intervention to reduce risk factors for sexual exploitation.** *Child Adolesc Psychiatry*  
584 *Ment Health* 2020, **14:8.**
- 585 60. Pacey MS, Sattler P, Goffnett J, Jen S: **"It feels like home": Transgender youth in the**  
586 **Midwest and conceptualizations of community climate.** *Journal of Community*  
587 *Psychology* 2020, **48(6):1863-1881.**
- 588 61. Hankivsky O: **Intersectionality 101.** Canada: The Institute for Intersectionality  
589 Research & Policy, SFU; 2014.
- 590 62. Roy AL: **Intersectional Ecologies: Positioning Intersectionality in Settings-Level**  
591 **Research.** *New Directions for Child and Adolescent Development* 2018, **161**(Envisioning  
592 the Integration of an Intersectional Lens in Developmental Science):57-74.
- 593 63. Carter MKA, McGill LS, Aaron RV, Hosey MM, Keatley E, Sanchez Gonzalez ML: **We Still**  
594 **Cannot Breathe: Applying Intersectional Ecological Model to COVID-19 Survivorship.**  
595 *Rehabilitation Psychology* 2023, **68(2):112-120.**
- 596 64. Granski M, Javdani S, Sichel CE, Rentko M: **Gender Differences in the Relationship**  
597 **Between Self- Silencing, Trauma, and Mental Health Among Juvenile Legal System-**  
598 **Involved Youth.** *Feminist Criminology* 2020, **15(5):545-566.**
- 599 65. Katz-Wise SL, Pullen Sansfaçon A, Bogart LM, Ehrensaft D, Goldman RE, Bryn Austin S:  
600 **Lessons from a community-based participatory research study with transgender and**  
601 **gender nonconforming youth and their families.** *Action Research* 2019, **17(2):186-**  
602 **207.**
- 603 66. Pullen Sansfaçon A, Hébert W, Ou Jin Lee E, Faddoul M, Tourki D, Bellot C: **Digging**  
604 **beneath the surface: Results from stage one of a qualitative analysis of factors**  
605 **influencing the well-being of trans youth in Quebec.** *The International Journal of*  
606 *Transgenderism* 2018, **19(2):184-202.**
- 607 67. Singh AA, Richmond K, Burnes TR: **Feminist participatory action research with**  
608 **transgender communities: Fostering the practice of ethical and empowering**  
609 **research designs.** *International Journal of Transgenderism* 2013, **14:93-104.**
- 610 68. Creswell JW, Plano Clark VL: **Designing and Conducting Mixed Methods Research (3rd**  
611 **Edition).** Thousand Oaks: Sage Publications, Inc.; 2017.
- 612 69. Johnson RB, Onwuegbuzie AJ: **Toward a Definition of Mixed Methods Research.**  
613 *Journal of Mixed Methods Research* 2007, **1(2):112-133.**
- 614 70. Pluye P, Hong QN: **Combining the Power of Stories and the Power of Numbers: Mixed**  
615 **Methods Research and Mixed Studies Reviews.** *Annual Review of Public Health* 2014,  
616 **35(1).**

- 617 71. Lewis J, Ritchie J: **Generalising from Qualitative Research**. In: *Qualitative research*  
618 *practice*. edn. Edited by Ritchie J, Lewis J. London: Sage Publications; 2003: 263-286.
- 619 72. Guest G, Fleming PJ: **Mixed methods research**. In: *Public Health Research Methods*.  
620 edn. Edited by Guest G, Namey E: Sage; 2015: 581-610.
- 621 73. Aujoulat I, Dauvrin M, Lenoble T, Schmitz O, Servais J: **Participate Brussels :  
622 méthodologie de l'enquête de terrain, des activités de croisement des savoirs et de  
623 la co-construction des pistes pour la personnalisation des soins. Cahier 2**. In.  
624 Bruxelles; 2021.
- 625 74. O'Boyle C, McGee H, Hickey A, O MK, Joyce C: **Individual Quality of Life on Patients  
626 Undergoing Hip Replacement**. *The Lancet* 1992, **339**(8801):1088-1091.
- 627 75. Farrand P, Woodford J: **Measurement of individualised quality of life amongst young  
628 people with indicated personality disorder during emerging adulthood using the  
629 SEIQoL-DW**. *Quality of Life Research* 2013, **22**(4):829-838.
- 630 76. Wagner J: **Acceptability of the Schedule for the Evaluation of Individual Quality of  
631 Life-Direct Weight (SEIQoL-DW) in youth with type 1 diabetes**. *Quality of Life  
632 Research* 2004, **13**(7):1279-1285.
- 633 77. Smith EF, Gidlow B, Steel G: **Engaging adolescent participants in academic research:  
634 the use of photo-elicitation interviews to evaluate school-based outdoor education  
635 programmes**. *Qualitative Research* 2012, **12**(4):367-387.
- 636 78. Aldridge J: **Participation, 'vulnerability' and voice**. In: *Participatory research: Working  
637 with vulnerable groups in research and practice*. edn. Edited by Aldridge J. Bristol - UK:  
638 Policy Press; 2015: 7-30.
- 639 79. Leonard M, McKnight M: **Look and tell: using photo-elicitation methods with  
640 teenagers**. *Children's Geographies* 2015, **13**(6):629-642.
- 641 80. Holtby A, Klein K, Cook K, Travers R: **To be seen or not to be seen: Photovoice, queer  
642 and trans youth, and the dilemma of representation**. *Action Research* 2015,  
643 **13**(4):317-335.
- 644 81. Patton MQ: **Qualitative Research & Evaluation Methods. Integrating Theory and  
645 Practice**, 4th edn. Thousand Oaks: SAGE Publications, Inc; 2014.
- 646 82. Brouwer H, Brouwers J: **The MSP Tool Guide: Sixty tools to facilitate multi-  
647 stakeholder partnerships. Companion to The MSP Guide**. Wageningen: Wageningen  
648 University & Research, CDI; 2017.
- 649 83. Douiller A: **25 techniques d'animation pour promouvoir la santé**. Paris: Le Coudrier  
650 Editions; 2012.
- 651 84. Fondation Roi Baudouin: **Méthodes participatives. Un guide pour l'utilisateur**. In.  
652 Bruxelles: Fondation Roi Baudouin; 2006.
- 653 85. Hsieh H-F, Shannon SE: **Three Approaches to Qualitative Content Analysis**. *Qualitative  
654 Health Research* 2005, **15**(9).
- 655 86. Silverman D: **Interpreting Qualitative Data. A Guide to the Principle of Qualitative  
656 Research**. London: SAGE Publications, Ltd; 2011.
- 657 87. Aparicio-García ME, Díaz-Ramiro EM, Rubio-Valdehita S, López-Núñez MI, García-Nieto  
658 I: **Health and well-being of cisgender, transgender and non-binary young people**.  
659 *International Journal of Environmental Research and Public Health* 2018, **15**(10).
- 660 88. Poquiz JL, Coyne CA, Garofalo R, Chen D: **Comparison of Gender Minority Stress and  
661 Resilience Among Transmasculine, Transfeminine, and Nonbinary Adolescents and  
662 Young Adults**. *Journal of Adolescent Health* 2021, **68**(3):615-618.

- 663 89. Reisner SL, Hughto JMW: **Comparing the health of non-binary and binary transgender**  
664 **adults in a statewide non-probability sample.** *PLoS ONE* 2019, **14**(8).
- 665 90. Challa M, Scott C, Turban JL: **Epidemiology of Pediatric Gender Identity.** In: *Pediatric*  
666 *Gender Identity - Gender-affirming Care for Transgender & Gender Diverse Youth.* edn.  
667 Edited by Forcier M, Van Schalkwyk G, Turban JL. Cham: Springer Nature Switzerland  
668 AG; 2020: 15-32.
- 669 91. Rafferty J: **Ensuring Comprehensive Care and Support for Transgender and Gender-**  
670 **Diverse Children and Adolescents.** *Pediatrics* 2018, **142**(4):ee20182162-ee20182162.
- 671 92. Reisner SL, Poteat T, Keatley JA, Cabral M, Mothopeng T, Dunham E, Holland CE, Max  
672 R, Baral SD: **Global health burden and needs of transgender populations: a review.**  
673 *The Lancet* 2016, **388**(10042):412-436.
- 674 93. Zhang Q, Goodman M, Adams N, Corneil T, Hashemi L, Kreukels B, Motmans J, Snyder  
675 R, Coleman E: **Epidemiological considerations in transgender health: A systematic**  
676 **review with focus on higher quality data.** *International Journal of Transgender Health*  
677 2020, **21**(2):125-137.
- 678 94. **Structure of the population**  
679 [<https://statbel.fgov.be/en/themes/population/structure-population>]
- 680 95. Israel BA, Schulz AJ, Parker EA, Becker AB: **Review of community-based research:**  
681 **Assessing partnership approaches to improve public health.** *Annual Review of Public*  
682 *Health* 1998, **19**:173-202.
- 683 96. Bach M, Jordan S, Hartung S, Santos-Hövenner C, Wright MT: **Participatory**  
684 **epidemiology: the contribution of participatory research to epidemiology.** *Emerging*  
685 *Themes in Epidemiology* 2017, **14**(2):1-15.
- 686 97. Bach M, Jordan S, Santos-Hövenner C: **What is participatory epidemiology? A**  
687 **definition.** *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* 2019,  
688 **62**(8):1020-1023.
- 689 98. Leung MW, Yen IH, Minkler M: **Community-based participatory research: A promising**  
690 **approach for increasing epidemiology's relevance in the 21st century.** *International*  
691 *Journal of Epidemiology* 2004, **33**:499-506.
- 692 99. Reisner SL, Hughto JMW, Dunham EE, Heflin KJ, Begenyi JBG, Coffey-Esquivel J, Cahill  
693 S: **Legal Protections in Public Accommodations Settings: A Critical Public Health Issue**  
694 **for Transgender and Gender-Nonconforming People.** *Milbank Quarterly* 2015,  
695 **93**:484-515.
- 696 100. Inchley J, Currie D, Samdal O, Jåstad A, A C, Nic Gabhainn S: **Health Behaviour in**  
697 **School-aged Children (HBSC) Study Protocol: background, methodology and**  
698 **mandatory items for the 2021/22 survey.** In. Glasgow: MRC/CSO Social and Public  
699 Health Sciences Unit, University of Glasgow; 2023.
- 700 101. Public Health Agency of Canada: **How to integrate Intersectionality Theory in**  
701 **Quantitative Health Equity Analysis? A rapid review and checklist of promising**  
702 **practices.** In. Ottawa, ON: Public Health Agency of Canada; 2022.
- 703 102. Jourian TJ, Nicolazzo Z: **Bringing our communities to the research table: the liberatory**  
704 **potential of collaborative methodological practices alongside LGBTQ participants.**  
705 *Educational Action Research* 2017, **25**(4):594-609.
- 706 103. Leask CF, Sandlund M, Skelton DA, Altenburg TM, Cardon G, Chinapaw MJM, De  
707 Bourdeaudhuij I, Verloigne M, Chastin SFM: **Framework, principles and**  
708 **recommendations for utilising participatory methodologies in the co-creation and**



- 709 **evaluation of public health interventions. *Research Involvement and Engagement*  
710 2019, 5(1).**
- 711 104. Verloigne M, Altenburg TM, Chinapaw MJM, Chastin S, Cardon G, De Bourdeaudhuij I:  
712 **Using a Co-Creational approach to develop, Implement and Evaluate an Intervention**  
713 **to Promote Physical Activity in Adolescent Girls from Vocational and Technical**  
714 **Schools: A Case Control Study. *International Journal of Environmental Research and*  
715 *Public Health* 2017, 14(8).**
- 716 105. Vincent B: **Studying trans: recommendations for ethical recruitment and**  
717 **collaboration with transgender participants in academic research. *Psychology and*  
718 *Sexuality* 2018, 9(2):102-116.**
- 719 106. De Jaegher H, Peräkylä A, Stevanovic M: **The co-creation of meaningful action:**  
720 **bridging enaction and interactional sociology. *Philosophical Transactions of the Royal*  
721 *Society B: Biological Sciences* 2016, 371(1693).**
- 722 107. Abboud S, Kim SK, Jacoby S, Mooney-Doyle K, Waite T, Froh E, Sefcik JS, Kim H, Sowicz  
723 TJ, Kelly T-A *et al*: **Co-creation of a pedagogical space to support qualitative inquiry:**  
724 **An advanced qualitative collective. *Nurse Education Today* 2017, 50.**
- 725 108. Benito Sánchez JC, Biotteau M, Boulard M, Demol N, Duval F, Guichart H, Greiss J,  
726 Ioannidis V, Mukana M, Peuch J *et al*: **L'expérience de l'aide alimentaire. Quelle(s)**  
727 **alternatives(s)?** In. Bruxelles: ATD Quart Monde; 2019.
- 728 109. Marshall J: **First Person Action Research: Living Life as Inquiry.** London SAGE  
729 Publications, Ltd; 2016.
- 730 110. McDonnell L, Scott S, Dawson M: **A multidimensional view? Evaluating the different**  
731 **and combined contributions of diaries and interviews in an exploration of asexual**  
732 **identities and intimacies. *Qualitative Research* 2017, 17(5):520-536.**
- 733 111. Erichsen Andersson A, Frödin M, Dellenborg L, Wallin L, Hök J, Gillespie BM, Wikström  
734 E: **Iterative co-creation for improved hand hygiene and aseptic techniques in the**  
735 **operating room: experiences from the safe hands study. *BMC Health Services*  
736 *Research* 2018, 18(1).**
- 737 112. Mustanski B: **Ethical and regulatory issues with conducting sexuality research with**  
738 **LGBT adolescents: A call to action for a scientifically informed approach. *Archives of*  
739 *Sexual Behavior* 2011, 40(4):673-686.**
- 740 113. Martin JI, Meezan W: **Applying ethical standards to research and evaluations**  
741 **involving lesbian, gay, bisexual, and transgender populations. *Journal of Gay and*  
742 *Lesbian Social Services* 2003, 15(1-2):181-201.**
- 743 114. Miller RL, Forte D, Wilson BDM, Greene GJ: **Protecting sexual minority youth from**  
744 **research risks: Conflicting perspectives. *American Journal of Community Psychology*  
745 2006, 37(3-4):341-348.**
- 746 115. Sims JP, Nolen C: **"I Wouldn't Trust the Parents To 'Do No Harm' To a Queer Kid":**  
747 **Rethinking Parental Permission Requirements for Youth Participation in Social**  
748 **Science Research. *Journal of Empirical Research on Human Research Ethics* 2021, 16(1-  
749 2):35-45.**
- 750 116. UN General Assembly: **Convention on the Rights of the Child.** In. Geneve: UN General  
751 Assembly; 1989.
- 752 117. Aldridge J: **Participatory research: interpretation, representation and**  
753 **transformation.** In: *Participatory research: Working with vulnerable groups in research*  
754 *and practice.* edn. Bristol: UK: Policy Press; 2015: 121-160.

- 755 118. Chen PG, Diaz N, Lucas G, Rosenthal MS: **Dissemination of Results in Community-**  
756 **Based Participatory Research.** *American Journal of Preventive Medicine* 2010,  
757 **39(4):372-378.**
- 758 119. Kennan D: **Understanding the Ethical Requirement for Parental Consent When**  
759 **Engaging Youth in Research** In: *Youth 'At the Margins' Critical Perspectives and*  
760 *Experiences of Engaging youth in Research Worldwide. Volume 4*, edn. Edited by  
761 Bastien S, Holmarsdottir HB. Rotterdam - The Netherlands: Sense Publishers; 2015: 85-  
762 101.
- 763 120. Skelton T: **Research with children and young people: exploring the tensions between**  
764 **ethics, competence and participation.** *Children's Geographies* 2008, **6(1):21-36.**
- 765 121. Panfil VR, Miller J, Greathouse M: **Utilizing Youth Advocates and Community Agencies**  
766 **in Research with LGBTQ Young People: Ethical and Practical Considerations.**  
767 *Sociological Studies of Children and Youth* 2017, **22:35.**
- 768 122. Schragger SM, Steiner RJ, Bouris AM, Macapagal K, Brown CH: **Methodological**  
769 **Considerations for Advancing Research on the Health and Wellbeing of Sexual and**  
770 **Gender Minority Youth.** *LGBT Health* 2019, **6(4):156-165.**
- 771 123. Smith AU, Schwartz SJ: **Waivers of parental consent for sexual minority youth.**  
772 *Account Res* 2019, **26(6):379-390.**
- 773 124. Taylor CG: **Counterproductive effects of parental consent in research involving**  
774 **LGBTTIQ youth: International research ethics and a study of a transgender and two-**  
775 **spirit community in Canada.** *Journal of LGBT Youth* 2008, **5(3):34-56.**
- 776 125. Powell MA, Taylor NJ, Fitzgerald R, Graham A, Anderson D: **Ethical research involving**  
777 **children.** In. Innocenti, Florence UNICEF Office of Research 2013.
- 778 126. James T, Platzer H: **Ethical consideration in qualitative research with vulnerable**  
779 **groups: Exploring lesbians' and gay men's experiences of health care - a personal**  
780 **perspective.** *Nursing Ethics* 1999, **6(1):73-81.**
- 781 127. Bettencourt GM: **Embracing problems, processes, and contact zones: Using youth**  
782 **participatory action research to challenge adultism.** *Action Research* 2020, **18(2):153-**  
783 **170.**
- 784 128. Greenhalgh T, Jackson C, Shaw S, Janamian T: **Achieving Research Impact Through Co-**  
785 **creation in Community-Based Health Services : Literature Review and Case Study.**  
786 *The Milbank Quarterly* 2016, **94(2):392-392.**  
787