







- "The myHIV Forum A Treasure Trove of Real-Life Experiences and Reflections"
- Unearthing crucial insights from the myHIV forum conversations through advanced Natural Language Processing (NLP)





# **Unlocking Insights**

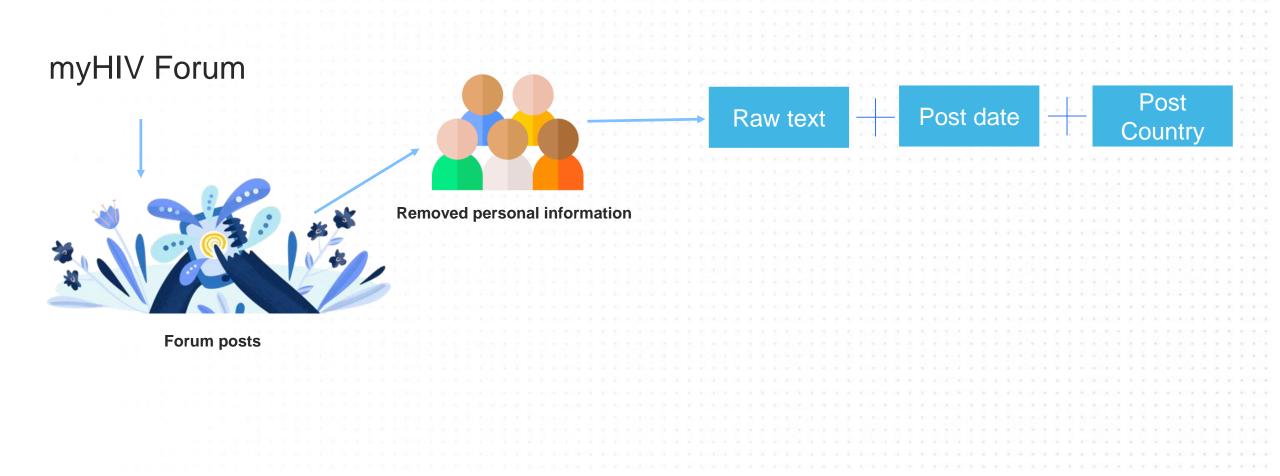
The myHIV Forum: A vibrant space capturing life-defining reflections of its members

**Topic Modelling:** Harnessing the power of NLP to explore the abstract 'topics' within the forum posts

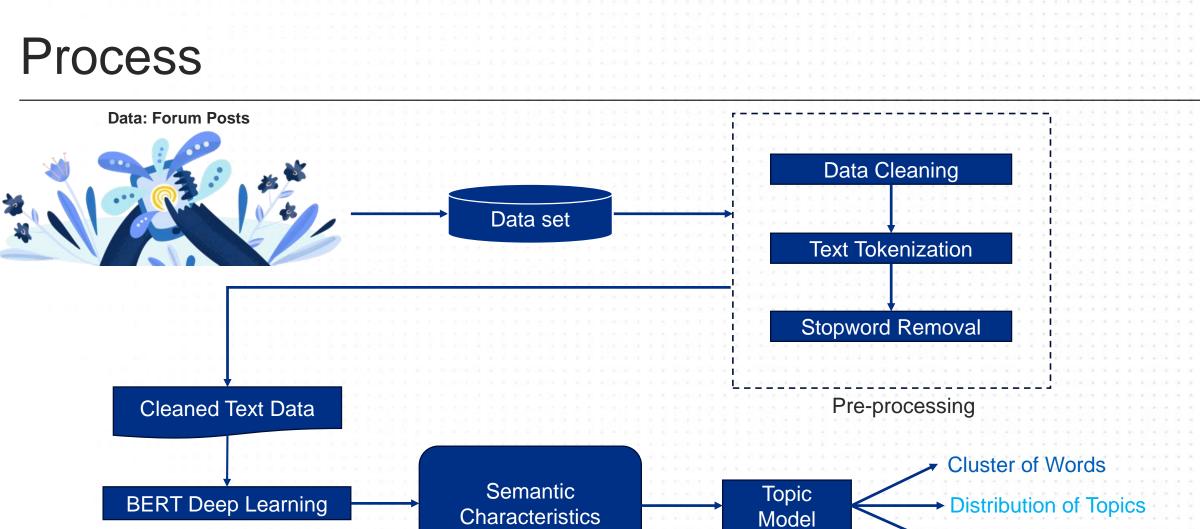
**Our Objective:** To gain a deeper understanding of the issues and themes that matter most to the members of the myHIV forum.



# The myHIV Forum: Data







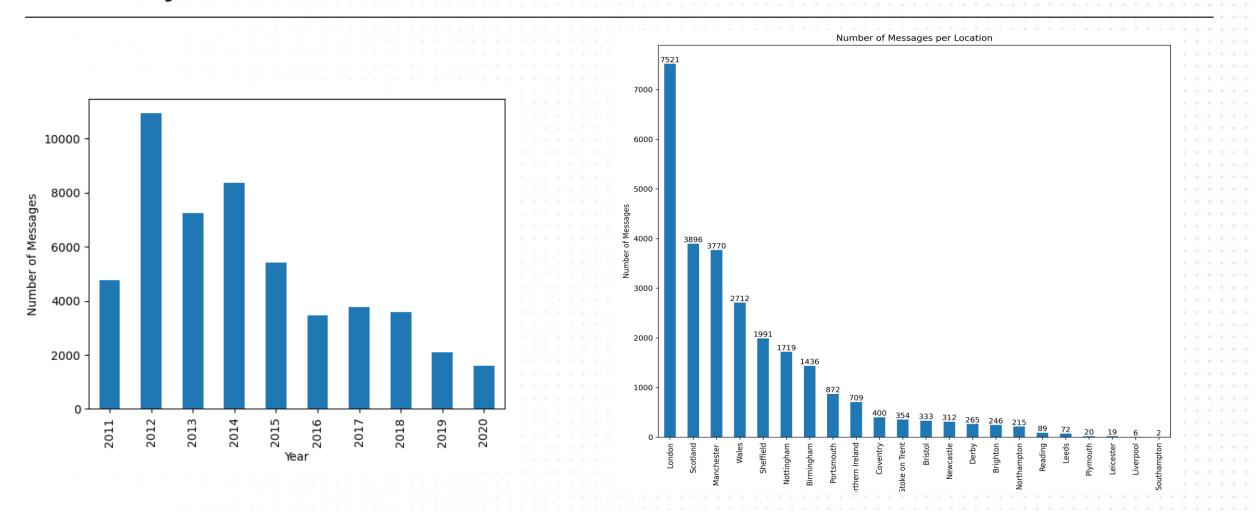
Frequency of words

TOGETHER Trust WECAN





# The myHIV Forum: Data



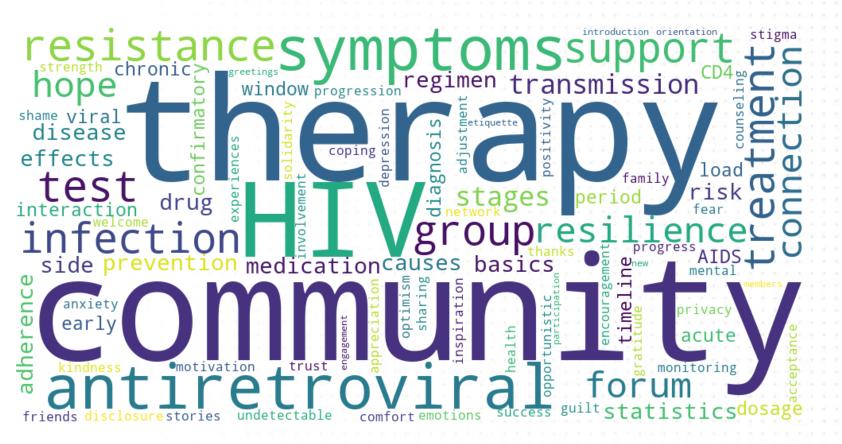


#### Results: Dynamic Topic Modelling across UK 2011-2020

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<ul> <li>Topic 2: Medication &amp; Side Effects</li> <li>Topic 3: Diagnosis Timeline</li> <li>Topic 4: Treatment &amp; Monitoring</li> <li>Topic 5: Emotional Support</li> <li>Topic 6: Personal Feelings</li> <li>Topic 6: Positivity &amp; Encouragement</li> <li>Topic 8: Gratitude &amp; Sharing</li> <li>Topic 9: Hope &amp; Community</li> <li>Topic 9</li> </ul>	: Treatment Progress : Daily Routine : Diagnosis Timeline : Personal Feelings : Coping & Adapting : Gratitude & Advice : Encouragement & Empathy : Emotional Support	Topic 1: Treatment Routine Topic 2: Support & Informat Topic 3: Time Since Diagno Topic 4: Personal Thoughts Topic 5: Adjusting & Waiting Topic 6: Treatment Success Topic 7: Gratitude & Tips Topic 8: Progress & Encour Topic 9: New Diagnosis Topic 10: Forum Events	ion • Topic 2: Ti sis • Topic 3: To • Topic 4: M • Topic 5: P • Topic 6: P • Topic 7: G • Topic 8: C • Topic 9: Fo	motional Journey reatment Options esting & Diagnosis redication & Side Effects rogress & Well-being ersonal Feelings ratitude & Support ommunity Interaction orum Welcome Sharing Experiences	<ul> <li>Topic 2: Testin</li> <li>Topic 3: Treatr</li> <li>Topic 4: Perso</li> <li>Topic 5: Past E</li> <li>Topic 6: Medic</li> <li>Topic 7: Copin</li> </ul>	nent Options nal Feelings Experiences ation Routine g & Relationships osis & Adjustment ude & Updates
2012	201	4 2015	2016	201	8 2019	2020
<ul> <li>Topic 1: Medication &amp; Routine</li> <li>Topic 2: HIV Understanding</li> <li>Topic 3: Treatment &amp; Monitoring</li> <li>Topic 4: Diagnosis Timeline</li> <li>Topic 5: Progress &amp; Well-being</li> <li>Topic 6: Persistence &amp; Challenges</li> <li>Topic 7: Personal Feelings</li> <li>Topic 8: Emotional Support</li> <li>Topic 9: Gratitude &amp; Advice</li> <li>Topic 10: Forum Welcome</li> </ul>	<ul> <li>Topic 1: Treatment Routin</li> <li>Topic 2: Forum Engagem</li> <li>Topic 3: Encouragement</li> <li>Topic 4: Personal Experie</li> <li>Topic 5: Treatment Option</li> <li>Topic 6: Diagnosis Timeli</li> <li>Topic 7: Adapting &amp; Copin</li> <li>Topic 8: Gratitude &amp; Advin</li> <li>Topic 9: Celebrating Succe</li> <li>Topic 10: Helpful Resource</li> </ul>	ent Topic 7 & Progress Topic 3 ences Topic 3 ns Topic 4 ns Topic 5 ne Topic 6 ng Topic 7 ce Topic 8 cess Topic 9	• Coping & Emotions Support & Resources Medication Effects Testing & Monitoring Diagnosis Timeline Personal Experiences Doctor Insights Treatment Routine Gratitude & Sharing D: Regional Discussions	<ul> <li>Topic 1: Emotional</li> <li>Topic 2: Testing &amp; I</li> <li>Topic 3: Timeframe</li> <li>Topic 4: Personal E</li> <li>Topic 5: Daily Rout</li> <li>Topic 6: Treatment</li> <li>Topic 7: Diagnosis</li> <li>Topic 8: Gratitude 8</li> <li>Topic 9: Forum Inte</li> <li>Topic 10: Positive E</li> </ul>	Medication Experience ine Routine Timeline & Advice eraction	Topic 1: Emotional Support Topic 2: Clinic Visits Topic 3: Diagnosis Timeline Topic 4: Support & Resources Topic 5: Medication & Side Effects Topic 6: Personal Experiences Topic 7: Testing & Results Topic 8: Sharing & Gratitude Topic 9: Forum Engagement Topic 10: Daily Life





**Topic 1: Understanding HIV** - [HIV, transmission, symptoms, stages, prevention, risk, statistics, causes, basics, disease]

**Topic 2: Medication & Side Effects** - [medication, antiretroviral, side effects, drug, regimen, adherence, resistance, interaction, dosage, treatment]

**Topic 3: Diagnosis Timeline -** [diagnosis, test, timeline, HIV test, confirmatory, early symptoms, window period, acute infection, chronic, AIDS]

**Topic 4: Treatment & Monitoring -** [antiretroviral, treatment, therapy, viral load, CD4, monitoring, undetectable, progression, resistance, opportunistic infections]

**Topic 5: Emotional Support -** [support, mental health, counseling, therapy, depression, anxiety, group, coping, adjustment, resilience]

**Topic 6: Personal Feelings -** [emotions, fear, stigma, acceptance, disclosure, privacy, comfort, shame, guilt, trust]

**Topic 7: Positivity & Encouragement -** [positivity, encouragement, hope, motivation, inspiration, progress, success, optimism, resilience, strength]

**Topic 8: Gratitude & Sharing -** [gratitude, appreciation, thanks, sharing, stories, experiences, community, support, kindness, connection]

**Topic 9: Hope & Community -** [community, hope, group, network, solidarity, connection, forum, friends, family, involvement]

**Topic 10: Forum Welcome –** [forum, welcome, introduction, new members, greetings, community, orientation, participation, etiquette, engagement]







**Topic 1: Medication & Routine -** [health, medication, routine, adherence, dosage, regimen, side effects, drug interactions, consistency, discipline]

**Topic 2: HIV Understanding -** [Infection, symptoms, HIV, transmission, prevention, risk factors, epidemiology, virology, immunology, awareness]

**Topic 3: Treatment & Monitoring -** [health check, treatment, monitoring, viral load, CD4 count, resistance, progression, opportunistic infections, therapy, undetectable]

**Topic 4: Diagnosis Timeline -** [diagnosis, timeline, testing, window period, confirmatory test, early symptoms, acute infection, chronic infection, AIDS, seroconversion]

**Topic 5: Progress & Well-being -** [progress, well-being, physical health, mental health, lifestyle, nutrition, exercise, wellness, resilience, self-care]

**Topic 6: Persistence & Challenges -** [persistence, challenges, barriers, stigma, discrimination, resilience, determination, struggle, adversity, triumph]

**Topic 7: Personal Feelings -** [feelings, emotions, fear, hope, acceptance, guilt, shame, disclosure, privacy, comfort]

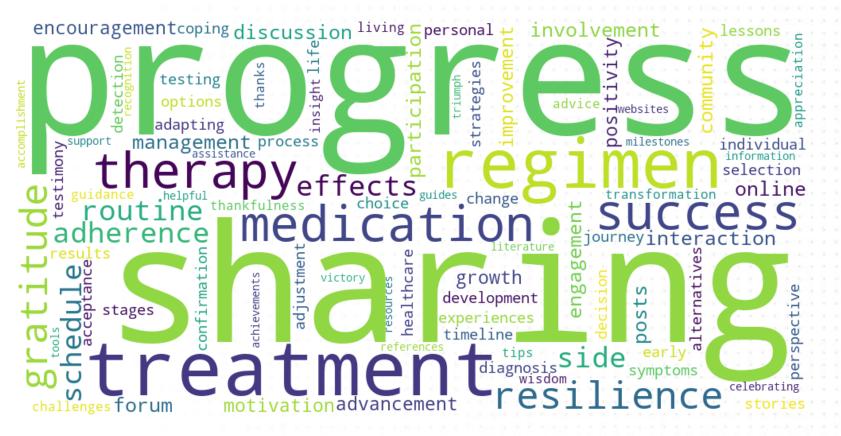
**Topic 8: Emotional Support -** [emotional support, counselling, therapy, support groups, empathy, understanding, listening, coping, resilience, comfort]

**Topic 9: Gratitude & Advice -** [gratitude, advice, wisdom, experience, appreciation, thanks, guidance, insight, knowledge, sharing]

**Topic 10: Forum Welcome -** [forum, welcome, introduction, new members, greetings, community, etiquette, engagement, participation, support]







**Topic 1: Treatment Routine -** [progress, routine, regimen, adherence, side effects, medication, therapy, schedule, management, progress]

**Topic 2: Forum Engagement -** [forum, engagement, discussion, participation, community, interaction, sharing, online, involvement, posts]

**Topic 3: Encouragement & Progress -** [encouragement, progress, motivation, improvement, success, growth, advancement, positivity, development, resilience]

**Topic 4: Personal Experiences -** [personal, experiences, stories, journey, individual, sharing, perspective, life, lessons, testimony]

**Topic 5: Treatment Options -** [treatment, options, medication, therapy, alternatives, choice, decision, healthcare, regimen, selection]

**Topic 6: Diagnosis Timeline -** [diagnosis, timeline, testing, results, confirmation, early, symptoms, process, stages, detection]

**Topic 7: Adapting & Coping -** [adapting, coping, change, adjustment, resilience, strategies, acceptance, challenges, transformation, living]

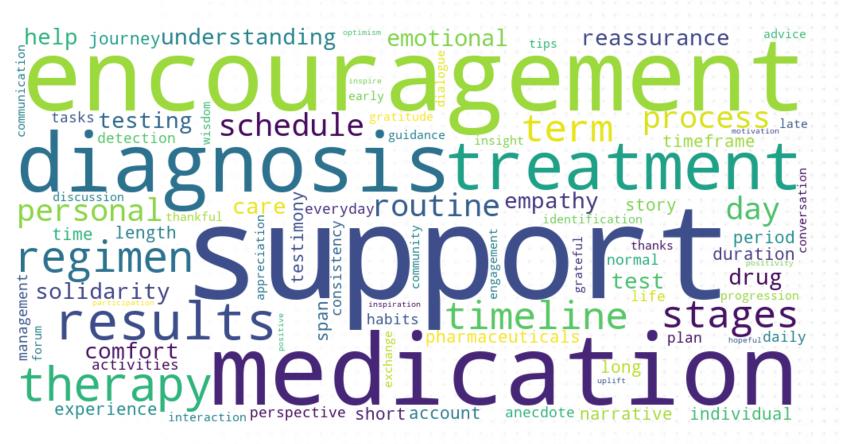
**Topic 8: Gratitude & Advice -** [gratitude, advice, thanks, appreciation, tips, guidance, wisdom, sharing, thankfulness, insight]

**Topic 9: Celebrating Success -** [sharing, success, achievements, progress, milestones, victory, accomplishment, triumph, recognition, gratitude]

**Topic 10: Helpful Resources -** [resources, helpful, information, guides, tools, references, websites, support, literature, assistance]







Topic 1: Emotional Support - [encouragement, emotional, support, understanding, empathy, care, comfort, help, reassurance, solidarity]

**Topic 2: Testing & Medication -** [diagnosis, testing, medication, treatment, drug, test, results, therapy, regimen, pharmaceuticals]

**Topic 3: Timeframe -** [timeframe, time, period, duration, span, timeline, length, stages, long-term, short-term]

**Topic 4: Personal Experience -** [personal, experience, story, journey, individual, personal narrative, account, testimony, perspective, anecdote]

**Topic 5: Daily Routine -** [daily, routine, habits, life, day-to-day, normal, everyday, schedule, tasks, activities]

**Topic 6: Treatment Routine -** [treatment, routine, regimen, therapy, medication, process, plan, schedule, management, consistency]

**Topic 7: Diagnosis Timeline -** [diagnosis, timeline, detection, identification, stages, process, early, late, progression, results]

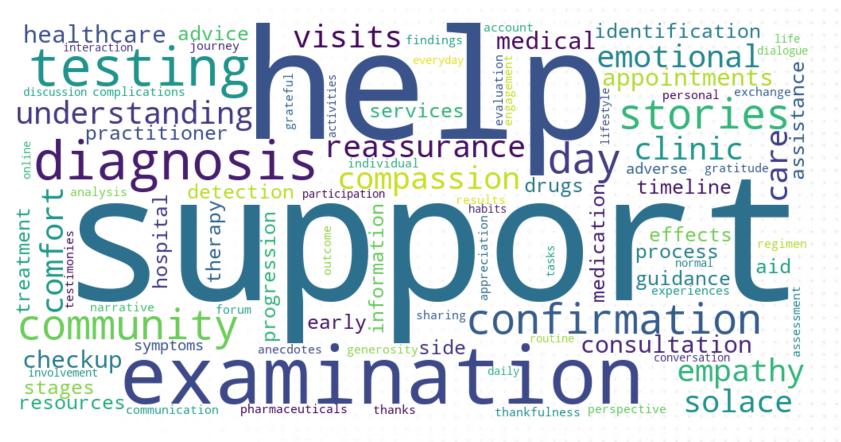
**Topic 8: Gratitude & Advice -** [gratitude, advice, thanks, guidance appreciation, tips, thankful, wisdom, grateful, insight]

**Topic 9: Forum Interaction -** [forum, interaction, discussion, community, dialogue, conversation, exchange, engagement, communication, participation]

**Topic 10: Positive Encouragement -** [positive, encouragement, inspiration, motivation, positivity, support, uplift, inspire, hopeful, optimism]







**Topic 1: Emotional Support -** [help, support, empathy, understanding comfort, care, help, reassurance, solace, compassion]

**Topic 2: Clinic Visits -** [examination, visits, appointments, medical, healthcare, consultation, checkup, practitioner, hospital, examination]

**Topic 3: Diagnosis Timeline -** [diagnosis, timeline, process, stages, testing, confirmation, early, detection, identification, progression]

**Topic 4: Support & Resources -** [support, compassion, help, assistance, guidance, information, services, community, aid, advice]

**Topic 5: Medication & Side Effects** - [medication, side effects, drugs, treatment, therapy, symptoms, adverse, pharmaceuticals, regimen, complications]

**Topic 6: Personal Experiences -** [personal, experiences, stories, journey, testimonies, account, narrative, anecdotes, individual, perspective]

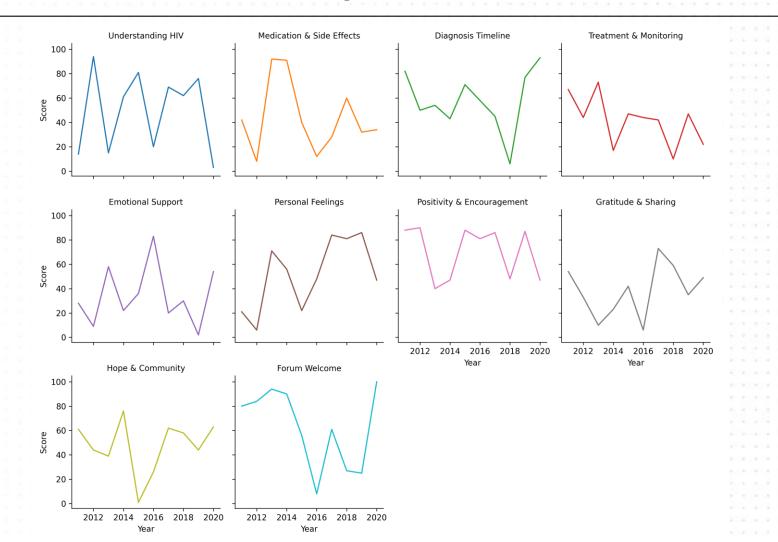
**Topic 7: Testing & Results -** [examination, testing, results, diagnosis. confirmation, findings, analysis, evaluation, assessment, outcome]

**Topic 8: Sharing & Gratitude -** [sharing, gratitude, appreciation, thanks, exchange, stories, thankfulness, communication, generosity, grateful]

**Topic 9: Forum Engagement -** [community, forum, engagement, participation, interaction, dialogue, conversation, involvement, online, discussion]

**Topic 10: Daily Life -** [daily, life, routine, everyday, activities, habits, day-today, normal, lifestyle, tasks]

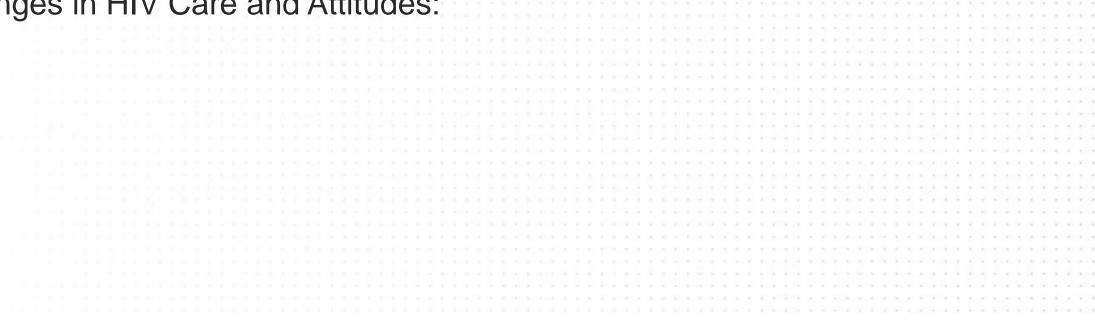
# Results: Prevalence of Topics in UK 2011-2020



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- The Evolving Experiences of People Living with HIV
- The Impact of HIV on Various Aspects of Life
- Changes in HIV Care and Attitudes:



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