
Once HIV enters the brain after initial infection, with time, it can lead to HIV-associated neurocognitive disorders. In this review, recently developed non-invasive MRI and PET techniques in HIV-infected individuals are analyzed. It is hoped that continued progress will allow novel neuroimaging methods to be included in future HIV-associated neurocognitive disorder management guidelines.


In this article, the author outlines several practice points that are explained thoroughly. Three of those points directly reflect the purpose of the HIV and Aging project. They are:

1. HIV infection will soon be a disease of older patients, with more than half the infected population in the United States over the age of 50 years by 2015.

Here the author addresses the shift in HIV demographics relative to age. She goes on to state that there will continue to be people diagnosed at this stage in life due to various circumstances such as late diagnosis, late acquisition of infection, and the aging of earlier-diagnosed individuals. There is a need to be able to care for the newly infected older population and those who are longstanding patients. It is important to effectively manage this population along with the comorbidities presented in some people in this age group.

2. Identifying older patients at risk of HIV infection is essential to getting them into care; earlier diagnosis and treatment are linked to improved outcomes.

3. Multidisciplinary care for older patients with HIV is essential.

The importance of having a multidisciplinary care team for older patients often is emphasized for many reasons that go beyond the normal potential comorbidities into specifics such as decreased renal and hepatic function. Medications in general have an effect on these functions and the stress of HIV infection and antiretroviral therapy (ART) can pose additional challenges. Undergoing long-term treatment for those entering this age group also poses the possibility of decreased cardiopulmonary function. Situations in which multiple care providers are treating patients with numerous medications poses a challenge if all parties are not working together to share information.


HIV has been transformed into a chronic disease by various effective therapies, and new problems have risen related to aging. This article reviews the aging process, the age-related deficit accumulation and frailty, and how these might be affected by chronic HIV infection.


CDC website on fast facts and numbers and general information on HIV in older Americans (aged 55 and over). Published in Nov 2013 and the data is from 2010, 2011.

Despite the effectiveness of active antiretroviral therapy, this review discusses why HIV-associated neurocognitive disorders (HAND) persist. Protection of the central nervous system by antiretroviral therapy is incomplete owing to the combined effects of incomplete HIV suppression, persistent immune activation, and host comorbidity factors. Adjunctive therapies to antiretroviral therapies are necessary for more effective protection.

Cysique LA, Brew BJ. The effects of HIV and aging on brain functions: proposing a research framework and update on last 3 years’ findings. Curr Opin HIV AIDS. 2014 Jul;9(4):355-64. Review.

This review highlights patients aging with HIV and the acceleration of normal aging processes and the facilitated expression of age-associated diseases. There is limited research for dramatic neurodegeneration in aging HIV-infected persons. The complex effects of age- and nonage-related comorbidities and key HIV effects (as opposed to only HIV status) need to be taken into account in future research by increasing sample size and selecting the most appropriate control group(s).


It is critical that providers and researchers alike understand the impact of substance use on older HIV-infected patients and the potential treatment options. In this review, literature focuses on the most commonly used substances in order to outline the epidemiology, health consequences, treatment options, and latest research relevant to older HIV-infected patients.


The authors examined the physical activity, neurocognitive impairment, and instrumental activities of daily living among 100 older HIV-infected adults and found that higher levels of physical activity was associated with lower odds of neurocognitive impairment in the study population.


This is a qualitative study of 20 African American older adults living with HIV using patient-centered participatory design methods and semistructured individual interviews to determine the preferences of these patients for a health literacy intervention to promote HIV management. The study pointed out four major themes related to intervention development and design: keep health information simple; use a team-based approach for health education; tailor teaching strategies to patients’ individual needs; and account for patients’ low experience, but high interest, in technology.


This review conceptualizes multimorbidity and functional status impairment in people living with HIV and the implication of these conditions in clinical and research fields. The success of highly active antiretroviral therapy has significantly changed the clinical pattern of HIV infection, with the “graying” of the HIV-infected population a testament to its success. This has provided new challenges relating to the care of older patients, particularly with regard to the management of multimorbidity functional status impairment.


Effective combination antiretroviral therapy has led to aging of the HIV-infected population, which in turn contributes to the prevalence of HIV-associated neurocognitive disorder (HAND). Biomedical advances in aging and neuroAIDS are summarized in this study by reviewing relevant articles from different databases.


In this 14-year cohort study of newly HIV diagnosed patients presenting in the United Kingdom, the authors examined factors associated with late HIV presentation (i.e., those presenting with CD4 counts less than 350 cells/mm3 or an AIDS-defining condition regardless of CD4 count) for 1,536 eligible patients, and factors associated with mortality for 1,965 eligible patients. Authors reported that 49% of patients in this cohort of newly HIV diagnosed presented late. Factors associated with late presentation included adults over 50 years, male heterosexuals, African/Caribbean ethnicity, and diagnosed in earlier calendar periods (1996-2001 or 2002-2005). They found that there was overall improvement in early HIV diagnosis over time.
(authors suggest this was due to increased routine testing among men who have sex with men), but late presentation for adults over 50 years remained constant during the study. Authors reported that those older than 50 years and those diagnosed with CD4 counts less than 350 cells/mm³ were associated with higher mortality. In this study, late presentation was related to three times increased risk of mortality. Authors conclude that late presentation is common and continues in older adults and suggests expansion of routine HIV testing to increase early diagnosis.


This review conveys HIV-associated distal symmetric polyneuropathy (HIV-DSP) and other HIV-related peripheral neuropathies in the post-highly active antiretroviral therapy era. The prevalence of those affected by HIV-DSP will continue to grow with the aging population of HIV-infected individuals. Compared with the diabetic neuropathy drug trials, trials in both symptomatic and disease-modifying agents for HIV-DSP have had little success. Other forms of HIV-related peripheral neuropathies are discussed briefly, and include acute and chronic inflammatory demyelinating polyneuropathy, autonomic neuropathy, polyradiculopathy, mononeuropathies, mononeuritis multiplex, cranial neuropathies, and amyotrophic lateral sclerosis-like motor neuropathy.


It is now understood that low bone mineral density (BMD) and fractures are more common in HIV-infected patients. This review details the epidemiology, pathogenesis, diagnosis, and management of osteoporosis and low BMD in HIV-infected patients, with a particular emphasis on aging.


This review summarizes contemporary observations regarding the effects of highly active antiretroviral therapy (HAART) on the brain. HAART selection strategies are currently guided by efficacy, resistance testing, toxicity, potential drug interactions, and theoretical brain penetration. As improved strategies are developed to target the viral reservoir within the brain, greater knowledge of the effects of ARTs on neural tissues will be needed to operationalize their use in a rational manner that maximizes antiretroviral efficacy and minimizes the neurotoxic complications.


Although recent data do not support premature aging of HIV-infected individuals with respect to kidney disease, the risk of acute and chronic kidney disease is increased by HIV infection and its treatment. This review highlights unique considerations in the epidemiology, diagnosis, and management of kidney disease in older adults with HIV.


The response to antiretroviral therapy, susceptibility to HIV acquisition, and the progression of disease after infection all vary by age. Therefore, the Office of AIDS Research of the National Institutes of Health commissioned a working group to develop an outline of the current state of knowledge and areas of critical need for research in HIV and aging. The working group’s findings and recommendations are summarized in this report.


This is a quick reference guide for HIV Primary care clinician by New York Department of health and published in November 2013.


This article pointed out the excess cardiovascular risk and risk for acute myocardial infarction (AMI) in HIV-infected patients. The study reviewed 81,322 participants (33% HIV infected) without prevalent cardiovascular disease (CVD) from the Veterans Aging Cohort Study Virtual Cohort (prospective study of HIV-positive and matched HIV-negative veterans) participated in this study. The study concluded that the prevalence of optimal cardiac health is low in HIV-infected veterans. Among those without major CVD risk factors, HIV-positive veterans have twice the AMI risk. Compared with HIV- veterans with high CVD risk-factor burden, AMI rates were still higher in HIV-infected veterans. Preventing/reducing
CVD risk-factor burden may reduce excess AMI risk among HIV-infected people.


This review article summarizes the epidemiology of HIV among older people, including data from the city of Sheffield, UK, and discusses specific and practical issues in older patients such as risk, diagnosis, guidelines for HIV testing and also update on ART including drug interactions and side effects.


This review utilizes recently published literature that describes the relationship between HIV, biologic and environmental risk factors, and cardiovascular disease risk, with particular emphasis on the aging HIV population. In addition, it is demonstrated that these biologic and environmental factors may interact to increase the risk of cardiovascular disease in the HIV population.


This review highlights that both HIV and aging impact performance on neuropsychological testing. Results show limited evidence for the interaction effects between HIV and the age on neuropsychological performance. It is concluded that older age does not significantly influence neuropsychological performance among HIV patients when seronegative controls are largely composed of individuals from a similar socioeconomic background.


This article highlights gender and interventions for women specifically. It does not address the population that is our focus. It fails to address the over-50 age group and only validated the female gender. Our focus is not addressed in this article.
and quality of life. Therefore, there is an urgent need for increased dialogue among various disciplines, ensuring that the care of older HIV-infected individuals is guided by research that incorporates relevant functional outcome measures.


This review demonstrates why the HIV-infected population is aging in high-income countries. In addition, the rate and causes of death in comparison with the general population, and the impact of combined antiretroviral therapy on life expectancy, is described.


The author presents a framework for viewing the issues facing the aging HIV patient. The author used the Centers for Disease Control and Prevention definition of aged patients as those ≥50 years of age. This review addresses the epidemiology of the aging HIV patient as well as the newly infected older person. It includes brief reviews of the differences in immunologic recovery and responses to ART. The section addressing ART was informative in terms of the general principles of the impact of ART on an aged individual, but was limited in that it is out of date regarding antiretroviral agents currently in use. The major utility of this article is to outline the various issues that face our aging HIV patients.


This five-year cross-sectional analysis among patients within the HOPS cohort examines the potential impact of polypharmacy on the risk of drug-drug interactions between antiretrovirals (ARVs) and other medications (non-ARVs). In this cohort of 3,810 patients, 7% of patients were prescribed at least one ARV/non-ARV combination that was contraindicated and 33% were prescribed a combination that had moderate or high evidence of interaction. There was an increased risk of being prescribed a contraindicated ARV/non-ARV combination seen in patients who were ≥50 years of age; those who had anxiety, dyslipidemia, or higher daily non-ARV medication burden; and those who had been prescribed an HIV protease inhibitor. The authors conclude that, as HIV-infected patients age and experience multiple comorbidities, ongoing reviews of current medications by providers may reduce risk of such interactions. The authors include recommendations on how to minimize drug interactions for aging HIV-infected patients including guideline resources, medication therapy management services that include pharmacists, drug interaction databases, and electronic medical records.


Through this review, it is clear that several unresolved issues needs to be addressed by the research community in the future. It is crucial in order to further improve the health of HIV-infected individuals in the modern treatment era. Recent studies have helped to better define the contribution of HIV to life expectancy and morbidity in the modern antiretroviral therapy (ART) era. However, questions remain about the generalizability of these findings to a future HIV-infected population that is expected to be much older. Furthermore, although a consensus has emerged that the persistent inflammatory state contributes to morbidity and mortality in this setting, the relative contributions of this process, health-related behaviors, comorbidities, and medication toxicities remain incompletely understood. These issues are addressed in this review and recommendations for prioritizing the future research agenda are included.


Despite increasing HIV seroprevalence rates in older adults, most research examining adherence to antiretroviral therapy (ART) has focused on young HIV-infected persons and, in general, has been atheoretical in nature. This study examined two ART adherence conceptual frameworks to determine whether these models generalize to HIV-seropositive older adults.


It is now understood that there has been an increasing availability of effective antiretroviral treatment, and this has dramatically extended life expectancy for persons infected with HIV. However, experts have varying opinions on the research regarding the different treatment strategies for patients aging with HIV.

This multicenter, prospective study of older (≥45 years) and younger (18-30 years) HIV-infected adults, who took antiretroviral therapy (ART) for 192 weeks, examined the associations between age group, thymic volume, immune activation, and viral load on CD4 cell restoration; and age-associated immune activation compared with age-matched HIV-uninfected controls. Authors reported that older HIV-infected adults had fewer naive and total CD4 cells and higher markers of immune activation than younger HIV-infected adults while on ART. Reductions in immune activation resulted in increases of naive, memory, and total CD4 cells, but this was reduced in older HIV-infected adults and those with small thymuses. Older HIV-infected adults had more cardiovascular events, diabetes, HIV-associated events and death, and lower CD4 cell responses with viral load suppression than younger HIV-infected adults. There was no difference between the age groups in those who achieved initial viral load suppression, but the younger group had higher rates of viral load rebound. Compared with controls, older HIV-infected adults had faster rates of B-cell increase and higher counts, and had a slower rate increase in hepatitis A antibodies after vaccination, but higher hepatitis A antibody concentrations. Younger HIV-infected adults had more immune disturbances and smaller thymuses than controls. Authors concluded that these findings may demonstrate age-related differences and support further study.

Linsk NL. HIV among older adults: age-specific issues in prevention and treatment. AIDS Read. 2000 Jul;10(7):430-40. An overview of the prevention and treatment issues surrounding HIV among adults aged 50 years and over are discussed in this article.


This paper reviews how HIV/AIDS and its therapy cause premature aging or contribute mechanistically to HIV-associated non-AIDS illnesses (HANA). There is a robust interplay between the mechanisms for aging, toxicity of HIV/AIDS therapy, and other events that together serve as a pathogenic foundation for the aging phenotype. This review article focuses primarily on side effects of antiretroviral therapy and how those side effects impact development and prevalence of non-immunologically driven diseases in HIV/AIDS patients.


This review focuses on the dynamic process of immune remodeling, also known as immunosenescence, which occurs during HIV infection, and how it impacts long-term comorbidities. There is hope for successfully treated individuals to achieve a longevity approaching that of the general population in this era of antiretroviral therapeutic efficacy.


This article demonstrates that, despite the accessibility of effective antiretroviral therapy (ART), HIV-infected individuals are living longer but present with an increased incidence of age-related multiorgan comorbidities. New clinical issues have come about from these comorbidities, and age-associated frailty needs to be diagnosed and managed. Aging HIV-infected patients require appropriate screening for age-related comorbidities and personalized management to optimize their lifespan and quality of life.


In HIV infection, gastrointestinal dysfunction is very common. Treated patients are at risk of many complications of “premature” aging. Complications include cardiovascular disease, osteopenia, neurocognitive decline, malignancies, and frailty. This review summarizes the recent observations in this field.


This article describes in detail a prevention initiative program targeting older individuals in South Florida: SHIP (Senior HIV Intervention Project). It targets both men and women of all sexual orientations. It discusses the design and elements of a successful program:

- Be sensitive to the beliefs and values of your audience
- Package the educational program in labels and titles that will be acceptable to the intended older audience such as “safe sex after 50” or “sex, seniors, and the new millennium.”
- Locate HIV/AIDS programming for older adults within the context of other adult programs, such as osteoporosis for women and a local outbreak of hepatitis A.
- Tailor programming to match the physical needs and limitations of older adults: short presentations, question and answer sessions, less reliance on the use of technology.

Programming that takes into account the special characteristics and needs of transient (seasonal) residents has had some limited impact despite a general ambivalence in this subpopulation.


This article describes a mixed study involving YAAMSM and sexual behavior with older men. Interviews with a group of YAAMSM suggest that they may seek older partners to fulfill desires for a stable, emotionally mature relationship, and for exposure to a larger community. It alludes to the importance of prevention strategies aimed at targeting adolescent MSM age-discordant relationships.

AVER website. Available at http://www.avert.org/.

AVER is an international HIV and AIDS charity, based in the UK, working to avert HIV and AIDS worldwide, through education, treatment and care.

This is a Global resource for HIV/AIDS education and information on prevention, transmission and testing, treatment and care, living with HIV, global epidemic, and HIV/AIDS science. In a particular session of living with HIV “Growing Older and Aging with HIV”, HIV, aging and other health conditions seen in older adult and potential drug interactions of antiretroviral drugs with commonly used drugs for comorbidities in older adults living with HIV.


The authors describe that HIV infection among the older population is on the increase, estimating that 10.8% of the HIV infections that occur annually in the U.S. are among adults 250. This article presents a framework for viewing issues facing the aging HIV population. This review addresses risk factors for older HIV-uninfected people and highlights the importance for risk reduction programs for the aging population. It addresses the following:

- Continued risk for older HIV-uninfected adults
- HIV testing for elderly adults
- HIV risk-reduction programs for HIV-uninfected older adults
- Adults aging with HIV infection
- Older adults more likely to be diagnosed late with HIV
- Inferior responses to ART in elderly
- Burden of select chronic illnesses among HIV-infected patients
- Importance of primary and preventive care


The author team for this paper has extensive experience in exploring health care issues related to LGB persons. In this analysis, they use a new methodology of a resilience conceptual framework. Resilience is defined as the beneficial behavioral patterns, functional competence, and cultural capabilities that individuals, families, and communities utilize under adverse circumstances. Using logistic regression analysis, the authors found that financial barriers, smoking, and obesity were health factors that predicted poor health outcomes. Interestingly, excessive
drinking was not, but the authors posited that this may be a reflection of their definition. Internalized stigma and lifetime victimization were markers for predicting disability. Although this study does not specifically address HIV and aging, it deals with health issues for the LGB community and thus offers insights into predictors for poor health outcomes for this group of HIV-infected persons.


MSM represent approximately 4% of the U.S. population but account for 53% of all people living with HIV/AIDS (PLWHA). The authors describe that there are complex factors affecting sexual risk of HIV infection among MSM, including drug use. They suggest that prevention programs may be more effective if they are tailored for older cohorts of MSM and address interpersonal communication, erection problems, and substance use to reduce health risks.


The author addresses the issues related to HIV and aging, noting that new infections are occurring in older individuals (21% of new AIDS cases are among ≥50 years old) and, because of combination antiretroviral therapy, patients are living longer and developing a spectrum of non-AIDS diseases. The author also discussed a study about the usage of erectile dysfunction medications and increased high-risk behavior and HIV transmission specifically among men who have sex with men (MSM) and blacks.


HIV is becoming an increasing problem for older adults. This study provides a comparison in understanding the HIV risk behaviors and the factors that underlie the risk-taking behavior of these issues among younger and older men who have sex with men. The data were collected from a national study of 322 men who use internet to find other men for unprotected sex through telephone interview.


The authors discussed how disparities in HIV incidence cannot be explained by individual risk behavior but by the sexual network of black YMSM with older partners: YMSM reported being attracted to older men because of emotional, financial, and instrument support. Thus, power imbalances in partnerships can have important implications for condom use.


These Guidelines summarize previous studies in HIV primary prevention and provide guidance for providers to use FTC/TDF for prevention of HIV infection. There is no age limit for the implementation of PrEP.
The authors focused their research on a cohort of PLWHA over the age of 50 living across Canada. Increased age is often associated with late HIV diagnosis and engagement in HIV care. In Canada and the United States, PLWHA over 50 are more likely to be diagnosed with AIDS within the first year after their HIV diagnosis than their younger counterparts. Older PLWHA also are more likely to have comorbid conditions that delay the diagnosis of HIV.

The study goal was to expand the available literature outlining the sociodemographic profile of HIV-positive Canadians over age 50. The findings revealed that a majority of over-50 PLWHA are white gay men. Their mean age was 57, and their personal income was $20,000 annually. Several cross-sample analyses demonstrated differences in smoking habits, alcohol use, and viral load and CD4 counts.

The study also found that gay men are more likely than their heterosexual or female counterparts to live with an HIV diagnosis 10 years or longer. Gay men were more likely to engage in risk behaviors such as excessive alcohol use. Gay men had lower depression scores and overall better scores in mental health surveys, and they utilized HIV services more often.

The authors note that this study provides the first data on the sociodemographics of PLWHA in Canada. They suggest future research to investigate the differences found in the various PLWHA populations.


Study objectives in this article were to assess whether the association between perceived health functioning and psychological distress and well-being is moderated (or influenced) by social support and age. In addition, it was assessed whether the impact of social support on distress and well-being was more pronounced for older than for younger men living with HIV infection/AIDS.


In the “Research on Older Adults with HIV” (ROAH) study, the authors administered self-assessments to 914 men and women over the age of 50 in New York City to determine associations between depression, loneliness, health and HIV-related stigma. Surveys were collected to evaluate self-reported depression, HIV-related stigma, five perceived health indicators (i.e., pain, physical function, social function, energy/fatigue and cognitive function), objective health indicators (i.e., recent CD4 count and AIDS diagnosis), loneliness, and drug use. Results showed that 39% of participants had major depressive symptoms. Both higher rates of loneliness and HIV-related stigma were linked to increased risk of major depressive symptoms. Two perceived health indicators, decreased cognitive function and reduced energy/increased fatigue, were significantly related to major depressive symptoms; and all five perceived health indicators were associated with stigma and loneliness. Authors concluded that researchers and providers must focus on both physical and psychosocial factors effecting older adults living with HIV, and that reducing loneliness and HIV-related stigma may decrease major depressive symptoms and improve perceived health.


As infection with the human immunodeficiency virus (HIV) has evolved to a chronic disease, perceived health-related quality of life (HRQoL) is becoming a prominent and important patient-reported outcome measure in HIV care. Literature discusses different factors influencing HRQoL in this population; however, no consensus currently exists about the main determinants. In this review, a clear, up-to-date overview of the determinants influencing HRQoL among people living with HIV is provided.


This article identified risk and protective factors associated with mental and physical health-related quality of life, after controlling for key background characteristics, in a population of older gay and bisexual men living with HIV infection. Previous research exam-
ining quality of life among persons living with HIV rarely included older adults. Comorbidities, functional limitations, and lifetime victimization are risks to quality of life among older gay and bisexual men with HIV disease. Self-efficacy and social support represent intrapersonal and interpersonal resources that can be enhanced through interventions to improve health-related quality of life.


The research identified the importance of strengths and resilience among older adults living with HIV/AIDS. Further research is needed to explore these phenomena with larger samples. Practitioners should identify and implement methods for assessing resilience among older HIV-infected adults.


This review depicts the mediating effect of resilience on the relationship between life stress and the health-related quality of life in people aged 50 and older who are living with HIV/AIDS (OPLWHA). It was shown that resilience may reduce the negative influence of life stress on physical, emotional, and the functional/global well-being in this population.


The HIV patient population shows high rates of psychiatric conditions, thus the effective management of these conditions can enhance the quality of life and improve antiretroviral adherence of this population. This article reviews the indications and precautions to consider with the use of psychoactive drugs for HIV patients. The authors encourage prescribers of psychoactive medications to take into account the drug-drug interactions, medication tolerance of the HIV patient, presence of metabolic or cardiovascular abnormalities due to prolonged use of ART, history of substance abuse, and unexpected responses to psychoactive medications in HIV patients. More specifically, the authors discuss the use of anxiolytics, antidepressants, mood stabilizers, and antipsychotic drugs. Additionally, alcohol and substance-abuse treatment is discussed, including current recommendations for the use of methadone and naltrexone. Overall, psychotropic medications are effective treatment within the HIV patient population, and the appropriate use of these medications can improve the quality of life for these individuals. However, to further advance this area of research, more controlled studies are needed in the HIV patient population.


This study investigated psychological resilience in the older adults (>64 years) compared with that of the young ones (<26 years). Questionnaire measures of depression, hopelessness, general health, and resilience were administered to the participants. The resilience measure comprised three sub-scales of social support, emotional regulation, and problem solving. These results highlight the importance of maintaining resilience-related coping skills in both young and older adults but indicate that different psychological processes underlie resilience across the lifespan.


The Centers for Disease Control and Prevention predicts that 50% of all cases of HIV/AIDS in the United States will occur in persons 50 years of age or older in 2015. This research tested whether a 12-session, coping improvement group intervention delivered via teleconference technology could improve life quality in 90 middle-age and older adults living with HIV/AIDS. Although findings from this research suggest that telephone-delivered, coping improvement group interventions have potential to facilitate the adjustment efforts of HIV-infected older adults, more rigorous evaluations of this intervention modality for this group are needed.


The current study examined race differences in stressful burden, ways of coping, social support, and psychological distress among late middle-aged and older men living with HIV/AIDS. Compared with their African-American counterparts, HIV-infected older white men reported elevated levels of depression, anxiety, interpersonal hostility, and somatization. African-American men also received more support from family members and were less likely to disclose their
HIV serostatus to close friends. As AIDS becomes more common among older adults, mental health interventions increasingly will be needed for this group. The development of intervention programs for this group should pay close attention to race-related differences in sociodemographic, psychosocial, and behavioral characteristics.


HIV-infected individuals show a higher incidence of depression than the general population; furthermore, research suggests that concomitant depression with HIV can lead to worse HIV outcomes. Thus, the purpose of this review article was to evaluate literature regarding the efficacy, safety, and drug interactions of antidepressants and antipsychotics in patients with HIV. Based on the inclusion and exclusion criteria, the authors found 11 articles for depression treatment and 1 article addressing psychosis treatment. The authors’ review of the use of SSRIs and tricyclic antidepressants showed that both appear to be effective in treating depression in HIV patients; the use of testosterone and stimulants also may be an option in the treatment of depression in HIV patients. There are very limited data on the use of antipsychotics in patients with HIV. The consideration of drug-drug interactions in the prescribing of antidepressants and antiretrovirals is important for clinicians to note, as is the increased susceptibility of HIV patients to extrapyramidal symptoms (EPS) and metabolic disturbance with the use of antipsychotics. The authors recommend larger controlled studies to further investigate superiority of agents, dosing ranges, and reduction of adverse effects in order to enhance treatment approaches for HIV patients.


This study examined the prevalence and characteristics of suicidal ideation among middle-aged and older persons who have HIV infection or AIDS. People who are in midlife and older and are living with HIV-AIDS experience significant emotional distress and thoughts of suicide, suggesting a need for targeted interventions to improve mental health and prevent suicide.


This cross-sectional study investigated 225 people living with HIV/AIDS (PLWHA) who were 50 years of age or older in Anhui, China, through computer-assisted personal interview. The study findings point to the importance of providing emotional support for older PLWHA. It is suggested that emotional support should be provided for older patients in addition to tangible assistance, in order to engage them in treatment and care.


This study examined and compared self-efficacy, depression, well-being, and the quality of life among older and younger people living with HIV/AIDS (PLWHA) in China. The findings suggest that older PLWHA face psychological problems and mental health challenges beyond those experienced by younger PLWHA. Intervention programs dedicated to improving mental health and quality of life are greatly needed for HIV infected older adults.


Psychosocial interventions such as cognitive behavioral stress management (CBSM), may enhance coping and social support, which contribute to an improvement of quality-of-life factors such as emotional functioning, social functioning, and sense of well-being, for HIV-infected men during several phases of HIV disease spectrum. Examining the relationships among coping strategies, social support, emotional well-being, realistic appraisals of one’s functioning in comparison to their aspirations, and the influence of psychosocial functioning on disease course are central missions of our research program.


In this study, participants completed a questionnaire that included standard inventories on symptoms and health-related quality of life (HRQoL). Physical and psychological symptoms are common among people living with HIV, but the burden of these symptoms is
not highest among the older age group. While HRQoL tended to worsen with older age, physical symptom distress did not, and mental health improved. This may reflect greater resilience in older adults, or the potential for “successful aging”: maintaining mental health despite age-related health losses.


This review utilized moderate mediation analyses to examine the role of perceived stress in the relationships between physical and mental health functioning. In addition, it examined whether differences between people in the level of resilience and social support change the role of perceived stress in these relationships.


This study aimed to understand the risk and protective factors associated with self-rated successful aging (SRSA) with HIV. Successful psychosocial aging is possible in older HIV-infected individuals. Positive psychological traits such as resilience, optimism, and sense of personal mastery have stronger relationship with SRSA than duration or severity of HIV disease. Research on interventions to enhance these positive traits in older HIV-infected adults is warranted.


This review conveys the psychosocial challenges that older adults living with HIV face. Older people with HIV are more likely to experience neurocognitive impairment and mental health issues than their HIV-uninfected counterparts. In addition, social isolation is experienced more often as a result of decreased social participation and engagement. This field of research is evolving and many research gaps are to be addressed, including a better conceptualization and measurement of successful aging and the development of high-quality integrated care, programs, and services tailored to the needs of older people with HIV.

HIV-infected individuals are aging in large numbers, with estimates that more than half are now over the age of 50. Despite successes in treatment including viral control that maintains immune health, a sizeable number of patients in this age group suffer from HIV-associated neurocognitive disorders (HAND). Patients with HAND report cognitive deficits such as memory loss, easy distraction, mood swings, and learning difficulties. Other associated problems include depression, balance disorders, and decreased manual dexterity. Several studies suggest the difficulty in diagnosis and treatment is attributable to the similarity of symptoms seen in dementia, Alzheimer disease, and Parkinson disease. Distinguishing which diagnosis is responsible for the symptoms often is not achievable, thus complicating the recommendation for appropriate treatment. Neuropsychological testing performance is clouded by overlap of HIV effects and normal aging effect.

This article includes a useful Table 2 in which the findings of several studies of neuropsychological testing are summarized. There also is a discussion of the distinguishing factors such as delayed HIV diagnosis, prolonged high viremia, low CD4 counts for prolonged periods, and comorbid conditions that may facilitate the interpretation of neuropsychological testing.

The expectation that PLWHA will live into the eighth decade of life amplifies the importance of developing strategies to optimize cognitive health and assist with accurate diagnosis in order to provide appropriate treatment. The authors suggest further research in this area.