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| **Unit-level overview** | **Unit/week/section** | **1** |
| Unit name or title: | Overview of HIV /AIDS |
| Aim of the unit: | To enable you understand the origin, spread, biology and clinical aspects of HIV and Aids. |
| This topic covers: | * Theories of the origin and spread of HIV
* The current global, regional and national status of HIV.
* The biology and clinical aspects of HIV infection.
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| Intended learning outcomes: | *At the end of this* ***unit****, you will be able to:*1. Discuss theories of the origin of HIV
2. Outline the global, regional and national epidemiology of HIV and AIDS (Each *country is free to modify this objective to suit their national status)*
3. Describe the biology and clinical aspects of HIV
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| Overview of student activity: | 1. Read the handout on the Origin of HIV and summarise information on the following theories: i) Simian Immunodeficiency Virus (SIV) theory (ii) The hunters’ theory (iii) The contaminated needle theory (iv) Oral polio Theory (v) Heart of darkness theory.
2. Watch the video provided on the ‘Origin of HIV or Where does HIV come from?’ https://youtu.be/UF3JGrt9Zvo Take note of the details of the origin of HIV explained.
3. Watch the video on HIV life cycle and go through pages 86-90 of the ‘HIV Biology Document’. Participate in a discussion initiated by your lecturer in the discussion forum.
4. Read a web page on the clinical overview of HIV infection and make a summary.
5. Read the handout on the ‘Overview of HIV infection’ and make a summary.
6. Participate in Topic I Discussion forum by contributing to discussion forum tasks initiated by the course lecturer and reflect on the posts by your colleagues about the origin of HIV in the discussion forum.
7. Read the power point slides handout on ‘The epidemiology of HIV’.
8. Read the handout on Global report, 2010 and compare with the details of the PowerPoint slides in 7.
9. Study pages 2-3 and 6-10 of the documents: ‘AIDs in Kenya, a status report’ & ‘The Kenya Aids Epidemic update, 2018’ and engage in a guided reflection on the pattern of the epidemiology and an assessment of what causes the pattern. Post your reflections on your portfolio.
10. Attempt unit one quiz at the end of the unit
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| **Constructive alignment of unit level outcomes with module level outcomes, learning activities and assessment***(Pressing <Tab> at the end of the table will provide additional rows in the table, if required.)* |
| Intended unit learning outcomes: | No of module-level outcome | Activity where students engage with this outcome | Where and how is this outcome assessed? |
| ***At the end of this unit, you will be able to:*** |
| 1. Discuss theories on the origin of HIV
 | 1 | E- tivity 1E- tivity 2 | Moderated discussion on LMS |
| 1. Describe the biology and clinical aspects of HIV
 | 1 | E-tivity 3 | Online quiz |
| 1. Outline the global and regional Epidemiology of HIV
 | 2 | E-tivity 4 | Reflection and an Online quiz |

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| Detailed explanation of ALL student and teacher engagement with the unit:*(This should be presented in the order that the activities take place. So, if students do work online* ***before*** *coming to the lecture, that should be shown ahead of what happens in class.**If there is more than one opportunity for face-to-face contact, or more than one online task, there should be a separate section for each instance, and they should be presented in the template in the same order that students encounter them.)****Content*** *– such as lecture material – can EITHER be shown here OR added as* ***clearly identifiable*** *addenda to the document. If you plan to use addenda, you should ensure that this are cross-referenced in this section.)* |
| Module-level Outcomes addressed: |
| At the end of this unit, you will be able to:* Discuss theories of the origin of HIV.
* Outline the global, regional and national epidemiology of HIV and AIDS (Each country is free to modify this objective to suit their national status).
* Describe the biology and clinical aspects of HIV.

**Leading Question:** What is HIV and how did it come into being? |
| Purpose of the unit/week/section: |
| This topic is to introduce you to the origin, spread, biology and clinical aspects of HIV and Aids. |
| Over to you: *(a description of the process of the section)* |
| During this topic you will engage with various resources that explore the theories regarding the origin and spread of the disease, and then there will be an opportunity to find out more about the current status of the disease globally, regionally, and nationally. |
| Pre-topic activity: |  Number of hours | 1hr |
| Do a research on the latest HIV estimates in your country. How does your country's statistics relate with other countries in the region; what of globally? |
| Face to face time: *(if applicable)* | Number of hours | 1hr |
| In the face to face session with your lecturer, you will share under guidance, what you know about HIV & AIDS. Then, in groups of 5, with a group leader appointed by your lecturer, you will brainstorm and write down:* The prevalence rate of AIDS in your Country.
* How HIV/AIDS is spread.
* What your university is doing to stop the spread of HIV/AIDS.
* What you fear about HIV/AIDS.
* What your expectations of the course are.

The group leader will then read out their findings to the rest of the class. |
| Online activity: | Number of hours | 4 hrs |
| What should students do? | **e-tivity** 1: The purpose of this task is to explore theories about the origins of HIV.**Task:**Download the handout in the resources/tools section titled ***Origin of HIV*** and then * Summarise information on the following theories: i) Simian Immunodeficiency Virus (SIV) theory (ii) The hunters’ theory (iii) The contaminated needle theory (iv) Oral polio Theory (v) Heart of darkness theory.
* **Guidelines**: All theories describing the origin of HIV should be outlined and the appropriate descriptions of the beliefs in each well presented. Post this in your portfolio.

NOTE: *NOTE: e-tivity 1 is preparation for e-tivity 2. When you have completed both e-tivities, you will participate in a discussion in the VLE facilitated by your tutor. The discussion carries marks which count towards your final mark.****Resource:***Baldwin J. & Griffin A. (n.d.) *The origin of HIV/AIDS*. Available online from <http://www.meredith.edu/kenya/baldwin_grif>. **e-tivity 2.** **Task**Watch the video provided on the ‘Origin of HIV or Where does HIV come from?’ <https://youtu.be/UF3JGrt9Zvo> * Take note of the details of the origin of HIV explained in the video.

***Assessment task***This task is to establish that you have understood the various theories of origins of HIV. Participate in the following discussion thread initiated by your lecturer: **'A number of Theories have endeavoured to clarify the origin of HIV infection. Based on your reading, which theory do you support and why?'****Task:***Engage in the discussion, responding in the first instance to the lecturer’s statement. Come back to the forum and read what your fellow students have posted. Thoughtfully (and kindly) critique their posts and post your messages on the forum.****Earning marks:**** *If you make a relevant post in response to the initial challenge, you’ll earn up to 2 marks.*
* *If you make an apt comment on another participant’s post, you will earn 1-mark*

**e-tivity 3** This task is set to help you to explore the biology and clinical aspects of HIV/AIDS.***Task:**** -Download a handout on ‘HIV Biology’, read pages 86-90 and make summary of key features of the biology of HIV.-Read the web page on 'Clinical overview of HIV disease', by C. Bradley Hare, MD, of the University of California San Francisco. Compare his view on the biology of AIDS with that of the article you read before.

-Read the handout on the ' Overview of HIV infection'.-In your own words describe the biology of HIV. Post your summary on your portfolio. Download and watch the video on HIV life cycle on YouTube (<https://youtu.be/odRyv7V8LAE>) called *HIV Life cycle: How HIV infects a cell.* Make notes as you watch.***Resources:**** *HIV Biology hand out*
* *Clinical overview of HIV disease*, by C. Bradley Hare
* *Overview of HIV infection hand out*

(1 hour)***Assessment task:***Do the online quiz on the biology and clinical aspects of HIV.**e-tivity 4**: According to the Oxford dictionary, epidemiology is the “branch of medicine which deals with the incidence, distribution, and possible control of diseases and other factors relating to health.”This task familiarises you with the global, regional and national situations related to HIV/AIDS.***Task:***According to the Oxford dictionary, epidemiology is the ‘branch of medicine which deals with the incidence, distribution, and possible control of diseases and other factors relating to health.’ This task familiarises you with the global, regional and national situations related to HIV/AIDS.Task:* Read the PowerPoint slides handout on ‘*The epidemiology of HIV’*.
* Read the handout *on HIV Global report, 2010* and make a summary.
* Read the following handout: ‘*The Kenya Aids Epidemic update, 2018’*.
* **Guided Reflection**: Is there a particular emerging pattern in the spread of HIV/AIDs globally? What is the cause of the pattern? Is the global pattern reflected in the local country scene? Reflect on this and write down your reflection in your portfolio.

Resources* *The epidemiology of HIV’ handout.*
* HIV Global report, 2010 handout.
* Kenya Aids Epidemic update, 2018’handout*.*

 (1hour)**Assessment task (1 hour)**Do the online quiz on the epidemiology *of* HIV |
| Where do they do it? | On the LMS |
| By when should they do it? | Any time within the week (A topic ‘s work remains open in the LMS for a week)  |
| E-moderator/tutor role |
| Moderate discussion in the forum and grade. |
| How are the learning outcomes in this unit assessed? |  Number of hours | 6 hours |
| In three ways: A reflection, a graded Forum, a quiz |
| How does this section link to other sections of the module? |
| It is the introductory topic and links to all successive topics. |