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| **Unit-level overview** | **Unit/week/section** | **5** |
| Unit name or title: | Staging and Opportunistic Infections |
| Aim of the unit: | To learn about clinical staging of HIV infection, factors that affect progression of HIV infection to AIDS and the opportunistic infections that are likely to occur at different stages of HIV infection. |
| This topic covers: | This unit covers the four clinical stages of HIV infection, factors that affect progression of HIV infection to AIDS and the opportunistic infections that are likely to occur at different stages of HIV infection.* Clinical stages of HIV development; Factors affecting progression of HIV infection to Aids; Common Opportunistic Infections (OIs) associated with HIV and AIDs.
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| Intended learning outcomes: | *At the end of this* ***unit****, you will be able to:*1. Describe the Four (4) Clinical Stages of HIV Development as defined by WHO.
2. Discuss factors affecting Progression of HIV Infection to AIDS
3. Describe Common Opportunistic Infections (OIs) associated with HIV and AIDS
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| Overview of student activity: | 1. Read the handout on ‘[WHO Clinical Staging of HIV and AIDS](https://elearning.maseno.ac.ke/mod/resource/view.php?id=246760)’ and summarize the four clinical stages of HIV and AIDS as defined by WHO.
2. Watch the video on Stages of HIV Infection to enrich your knowledge base. Link - https://youtu.be/DeVd5CZQ98Y?t=3
3. Read the handout on ‘[Factors Affecting the Progression of HIV’](https://elearning.maseno.ac.ke/mod/resource/view.php?id=246761) and make summary notes. Post your sentiments on the discussion forum initiated by the lecturer.
4. Read the hand out on: ‘[HIV and Opportunistic Infections I](https://elearning.maseno.ac.ke/mod/resource/view.php?id=246764)’, Focus on their clinical signs and symptoms.
5. Watch the video on Opportunistic Infections and HIV Related infections. Link - https://youtu.be/DeVd5CZQ98Y?t=3
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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 Describe the Four (4) Clinical Stages of HIV Development as defined by WHO. | 1 | E-tivity 1 | Online quiz |
| 2 Discuss factors affecting Progression of HIV Infection to AIDS | 1 | E-tivity 2 | Moderated discussion |
| 3 Describe Common Opportunistic Infections (OIs) associated with HIV and AIDS | 1 | E- tivity 3 | 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:*1. Describe the Four (4) Clinical Stages of HIV Development as defined by WHO.
2. Discuss factors affecting Progression of HIV Infection to AIDS.
3. Describe Common Opportunistic Infections (OIs) associated with HIV and AIDS.

Leading question: How do we diagnose HIV/ AIDS? |
| Purpose of the unit/week/section: |
| To learn about clinical staging of HIV infection, factors that affect progression of HIV infection to AIDS and the opportunistic infections that are likely to occur at different stages of HIV infection. |
| Pre-topic activity: |  Number of hours | 1hr |
| Now that you have learnt about the biology of HIV, can you go and research on the Opportunistic Infections that are prevalent in your area? Are they the same in your region and in the world? What causes the differences, if any?This knowledge will help you in understanding this topic. |
| Face to face time: *(if applicable)* | Number of hours | 2 hr |
| Attend a 2 hour lecture organized by your lecturer on the clinical stages of HIV AIDS. |
| Online activity: | Number of hours | 4 hrs |
| What should students do? | **e-tivity 1:** HIV/AIDS pathogenesis occurs in different stages. In this e-tivity, you are going to learn about the clinical stages of HIV infection according to WHO standards.**Task:*** Attend a 2-hour lecture on the clinical stages of HIV/AIDS
* Download and read the handout on ‘[*WHO Clinical Staging of HIV and AIDS*](https://elearning.maseno.ac.ke/mod/resource/view.php?id=246760)’.
* Make summarized notes describing the 4 clinical staging of HIV & AIDS and post in your portfolio.
* Supplementary: Watch the video on Stages of HIV Infection to enrich your knowledge base. Link - <https://youtu.be/DeVd5CZQ98Y?t=3>

**Resources*** WHO staging of HIV and AID’s

**Assessment task:**Do the online quiz on staging and opportunistic infections. **(2 hours)****e-tivity 2:****Task:** * Download and read the handout on ‘[*Factors Affecting the Progression of HIV’*](https://elearning.maseno.ac.ke/mod/resource/view.php?id=246761)
* **Guided Reflection** Asses the factors that you have read above, are they applicable in your context? If not, which factors are? What strategies are in place to slow down the progression of HIV?
* Make a reflective post in the Discussion Forum on what can be done to slow the progression of HIV in your country.

**Resources*** Factor affecting HIV and AIDs progression hand out

**Assessment Task**The Kenyan Government guideline on HIV treatment which requires that anyone who turns positive on taking an HIV test is enrolled into treatment plan regardless of their CD+ cell copy numbers has widely reduced the number of people with HIV getting opportunistic infections (OIs)! **Can people who start their treatment as soon as they test HIV positive still progress to stage 3 of HIV infection? Discuss your answer.****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*

**(1 hour)****e-tivity 4:** **Task:** Download and read the hand out on: ‘[*HIV and Opportunistic Infections I*](https://elearning.maseno.ac.ke/mod/resource/view.php?id=246764)’* Compare the clinical signs and symptoms for opportunistic infections in the handout above with the ones you have read in the previous article.
* Watch the video on opportunistic Infections and HIV Related infections. Link - <https://youtu.be/DeVd5CZQ98Y?t=3>
* Use this knowledge to answer the quiz in the assessment.

**Resources**HIV and AIDs Opportunistic Infections I hand out**Assessment Task:**Do the online quiz on staging and opportunistic infections**(1 hour)** |
| Where do they do it? | On the learner management system (LMS) |
| By when should they do it? | Any time within the week during which topic 5-week material remain open. |
| E-moderator/tutor role |
| . Moderate and grade the discussion forum posts |
| How are the learning outcomes in this unit assessed? |  Number of hours | 1 hr |
| Learning outcomes are assessed through reflection by making summaries, grading discussion forum posts and attempting topic specific quiz. |
| How does this section link to other sections of the module? |
| The scope of this topic on HIV/AIDS staging and opportunistic Infections contributes to the general module objectives aimed at creating awareness for enhanced behaviour change at individual and community level. |