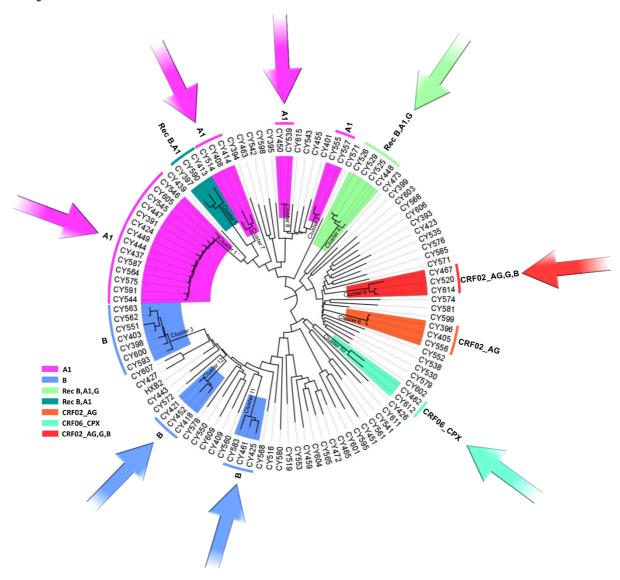
## July 2019 REPORT



## Remarks:

- 1. There are **twelve** transmission clusters.
- 2. The recently active subtype A1 HIV-1 transmission hotspot (Cluster 1, indicated by the arrow on the phylogenetic tree) has expanded by five additional individuals, mostly Cypriot MSM who reported to be infected in Cyprus.
- 3. The previously identified subtype A1 HIV-1 molecular cluster consisting of heterosexual individuals of foreign nationalities (Cluster 2) remained unchanged.
- 4. The subtype B HIV-1 transmission hotspot consisting of mostly Cypriot MSM who reported to be infected in Cyprus (Cluster 3) remained unchanged.
- 5. The previously identified recombinant (Rec B, A1,G) HIV-1 molecular cluster of MSM of foreign nationalities (Cluster 4, indicated by the arrow on the phylogenetic tree) has expanded by one additional Cypriot MSM who reported to be infected in Cyprus.

- 6. The previously identified recombinant (Rec B A1) HIV-1 molecular cluster consisting of three individuals (Cluster 5) remained unchanged.
- 7. The previously identified CRF02\_AG HIV-1 molecular cluster consisting of two Cypriot and one European MSM (Cluster 6) remained unchanged.
- 8. The previously identified A1 molecular cluster, which was consisting of two individuals, one of whom is a Cypriot MSM reported to be infected in Cyprus (Cluster 7) has expanded by one additional Cypriot MSM who reported to be infected in Cyprus.
- 9. There is a **new A1 transmission cluster** (Cluster 8, indicated by the arrow on the phylogenetic tree) consisting of one Cypriot and one European MSM.
- 10. There is a **new CRF02\_AG,G,B transmission cluster** (Cluster 9, indicated by the arrow on the phylogenetic tree) consisting of two Cypriot and one foreign (Nigerian) MSM.
- 11. There is a **new CRF06\_CPX transmission cluster** (Cluster 10, indicated by the arrow on the phylogenetic tree) consisting of two Cypriot MSM.
- 12. There is a **new B transmission cluster** (Cluster 11, indicated by the arrow on the phylogenetic tree) consisting of two Cypriot and one foreign (Indonesian) MSM.
- 13. There is a **new B transmission cluster** (Cluster 12, indicated by the arrow on the phylogenetic tree) consisting of two Cypriot HBC and one Cypriot MSM.