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Appendix A: Draft engagement in care flowcharts

Figure S1: Draft Flowchart A: Young people living with PHIV on ART with viral load ≤50c/mL

*Effective cART recommended by PENTA 2015 guidelines are at least three drugs, with usually a dual or triple NRTI backbone together with either a PI or an NNRTI (ritonavir and Cobicistat are not counted as separate drugs).
Figure s2: Draft Flowchart B: Young people living with PHIV on ART or starting ART with viral load >50c/mL

KEY

- See in 1 month
- See in 2 months
- See in 3 months
- See in 4 months
- See in 6 months

On ART VL >50

No CDC C in the last month

CDC C in the last month

New ART regimen in last month

On ART regimen for >6 months

On ART for 1-6 months

On PI

Not on PI

Previous VL >50

1st VL >50

CD4 <500

CD4 351-500

CD4 >500

No drop >50 in CD4

Drop >50 in CD4

No drop >50 in CD4

Drop >50 in CD4

See in 1 month

See in 2 months

See in 3 months

See in 4 months

See in 6 months
Figure s3: Flowchart C: Young people living with PHIV off ART

<table>
<thead>
<tr>
<th>KEY</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>See in 1 month</td>
</tr>
<tr>
<td>Orange</td>
<td>See in 2 months</td>
</tr>
<tr>
<td>Yellow</td>
<td>See in 3 months</td>
</tr>
<tr>
<td>Green</td>
<td>See in 4 months</td>
</tr>
<tr>
<td>Light Green</td>
<td>See in 6 months</td>
</tr>
</tbody>
</table>

- **Off ART**
  - No CDCC in the last month
  - CDC C in the last month

- **CD4 <350**
  - No drop >50 in CD4
  - Drop >50 in CD4

- **CD4 351-500**
  - No drop >50 in CD4
  - Drop >50 in CD4

- **CD4 >500**