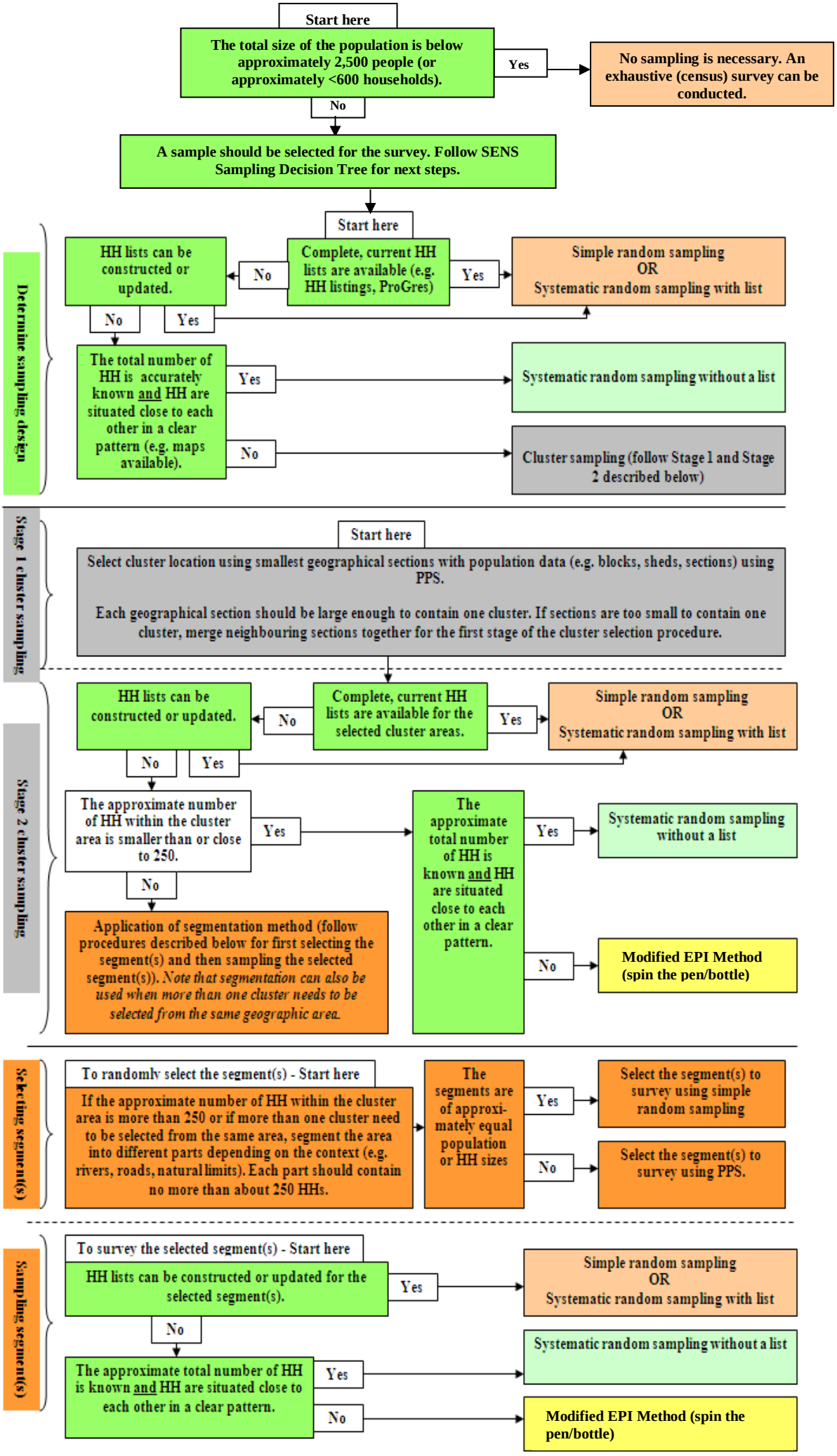
Start here
The total size of the population is below approximately 2,500 people (or approximately <600 households).
Yes
No sampling is necessary. An exhaustive (census) survey can be conducted.
No
A sample should be selected for the survey. Follow SENS Sampling Decision Tree for next steps.
Determine sampling design
Start here
Complete, current HH lists are available (e.g. HH listings, ProGres)
Yes
Simple random sampling OR Systematic random sampling with list
No
HH lists can be constructed or updated.
No
Yes
The total number of HH is accurately known and HH are situated close to each other in a clear pattern (e.g. maps available).
Yes
Systematic random sampling without a list
No
Cluster sampling (follow Stage 1 and Stage 2 described below)
Stage 1 cluster sampling
Start here
Select cluster location using smallest geographical sections with population data (e.g. blocks, sheds, sections) using PPS.
Each geographical section should be large enough to contain one cluster. If sections are too small to contain one cluster, merge neighbouring sections together for the first stage of the cluster selection procedure.
Stage 2 cluster sampling
Complete, current HH lists are available for the selected cluster areas.
Yes
Simple random sampling OR Systematic random sampling with list
No
HH lists can be constructed or updated.
No
Yes
The approximate number of HH within the cluster area is smaller than or close to 250.
Yes
The approximate total number of HH is known and HH are situated close to each other in a clear pattern.
Yes
Systematic random sampling without a list
No
Modified EPI Method (spin the pen/bottle)
No
Application of segmentation method (follow procedures described below for first selecting the segment(s) and then sampling the selected segment(s)). Note that segmentation can also be used when more than one cluster needs to be selected from the same geographic area.
Selecting segment(s)
To randomly select the segment(s) - Start here
If the approximate number of HH within the cluster area is more than 250 or if more than one cluster need to be selected from the same area, segment the area into different parts depending on the context (e.g. rivers, roads, natural limits). Each part should contain no more than about 250 HHs.
The segments are of approximately equal population or HH sizes
Yes
Select the segment(s) to survey using simple random sampling
No
Select the segment(s) to survey using PPS.
Sampling segment(s)
To survey the selected segment(s) - Start here
HH lists can be constructed or updated for the selected segment(s).
Yes
Simple random sampling OR Systematic random sampling with list
No
The approximate total number of HH is known and HH are situated close to each other in a clear pattern.
Yes
Systematic random sampling without a list
No
Modified EPI Method (spin the pen/bottle)