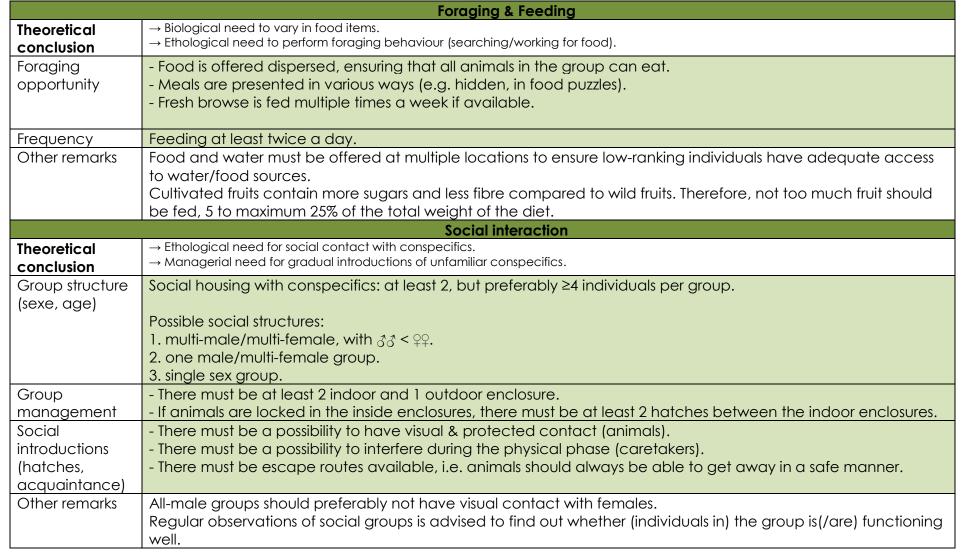


AAP Minimum Husbandry Guidelines

Chimpanzee, Pan troglodytes



	Social introductions must be carefully considered, according to appropriate techniques.	
<u>Environment</u>		
Theoretical	Biological need to perform natural locomotion behaviour (e.g. climbing). Biological need to perform natural locomotion behaviour (e.g. climbing).	
conclusion	 → Biological need for shelter from sun/rain/wind/cold. → Ethological need for hiding/retreat (from conspecifics and from humans). 	
Accessible	A space as large as possible to maintain natural locomotion and foraging, at least :	
space (indoor	Indoor	
m², outdoor m²,	160 m ² per 1-2 animals, 4m high	
height)	+ 20 m ² per extra individual for 1-8 additional animals.	
0 7	+ 40 m ² per extra individual for nine and more additional animals.	
	<u>Outdoor</u>	
	160 m ² per 1-2 animals, 4m high	
	+ 25 m ² per extra individual for 1-8 additional animals.	
	+ 40 m ² per extra individual for nine and more additional animals.	
	Outdoor enclosure accessible at least 6 hours per day.	
Environmental	- Temperature indoor enclosure at least 16°C.	
parameters	- Above 30°C cooling (e.g. fan/air conditioning, shallow pool, mist, sprinklers) is provided.	
	- Optimal indoor humidity 30%-70%.	
	- Preferably natural lighting indoors.	
Structural	- Climbing structures with horizontal perching areas, varying in size and height, that allow for resting, eating, and	
elements (does	social behaviour (providing space for several animals at a time).	
furnishing meet	- Materials to play or swing.	
behavioural	- Optimal use of enclosure height must be ensured.	
needs such as locomotion		
pattern)		
Visual barriers	Multiple out of sight areas so the animals can retreat from each other, from neighbouring animals and/or from	
Visual Damers	humans.	
Resting areas	- The number of resting areas depends on group size:	
Resiling areas	1-3 animals: 1 per animal	
	>3 animals: #animals / 2 (round up)	
	- At least one resting area must be large enough for the entire group.	
	- Materials for buildings nests (e.g. branches, straw, shredded paper, blankets) must be available.	
Shelters	- The number of sheltered areas depends on group size:	
	1-3 animals: 1 shelter area per animal	
	>3 animals: #shelter = (#animals/3) + 1 (round up)	

	- In the outdoor enclosure(s) shelter areas must provide shade and protection against rain/wind.	
Substrate	Floor with natural substrate like grass or soil, or bedding material, like bark mulch, wood chips, leaf litter, wood	
	wool, straw, hay, shredded paper or wood shavings.	
Escape routes	2 hatches between enclosures must be available.	
'	Escape routes must be available, i.e. animals should always be able to get away in a safe manner.	
Other remarks	The environment must be safe for all individuals living in it; e.g. no sharp edges which can cause wounds, spaces	
	need to be small (or large enough) so body parts cannot get stuck, structures need to be solid/connected	
	securely ('chimp proof') so nothing will disintegrate.	
	Make sure electricity, lights etc cannot be reached by the chimpanzees, as they will break it.	
Behaviour management		
Theoretical	→ Ethological need to perform exploratory behaviour.	
conclusion	→ Managerial need for approaching/handling/shifting/separating animals.	
Enrichment	Enrichment preferably every day, at least every other day.	
frequency		
Animal training	Animals are trained using positive reinforcement to reduce stress for transportation or medical treatments.	
Catch &	Advisable to have a possibility to connect transport box or tunnel to enclosure in order to be able to train	
restraint	animals.	
Other remarks	Enrichment should be alternated and temporarily removed in order to stay interesting to the animals.	
	Safety Safety	
Theoretical	→ Managerial need for safety procedures (protection of animals and people).	
conclusion		
Preventing	- Enclosures surrounded by a fence/wall/moat.	
escape	- Open top enclosures with a wall (e.g. from glass, metal, wire mesh, concrete) that must not be climbable.	
	- A water moat wide enough so the animals cannot jump over, and deep enough so they cannot walk through.	
	A water moat must always be accompanied by an extra electric fence system.	
	- An emergency power system must be in place when using electric fencing.	
	- Doors/hatches are visible from the location of operation.	
	 Doors/hatches are equipped with a double lock system. There are at least 2 doors between the enclosure and public area. 	
Safety measures	Stand-off barrier to avoid contact with the actual enclosure (unless closed wall).	
(public)	Stand-off barrier to avoid contact with the actual efficiosofe fulliess closed wall).	
Safety measures	- Enclosures are designed for proper and safe cleaning.	
(caretakers)	- At places where keepers operate hatches/doors, a barrier is used to prevent the risk of chimpanzees grabbing	
(Carciakers)	staff.	
	- Hatches/doors are remotely operable.	
L	national, acceptation of operation	

Veterinary issues	Chimpanzees are susceptible to many human diseases. Infectious diseases can be transmitted from humans to chimpanzees and the other way around.
Other remarks	Chimpanzees are excellent escape artists. Make sure their possibilities to use trees/structures/hills to extend their jumping heights or lengths are limited.
	Highly tensile electric fencing can be used as supporting barrier, but cannot be used as primary barrier.
	When an artificial rock wall is used as a barrier, ensure that the surface does not provide escape routes.
	Water moats must have a shallow end at the side of the enclosure, so animals will be able to climb back in the enclosure when they ended up in the water, to reduce the risk of drowning.

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