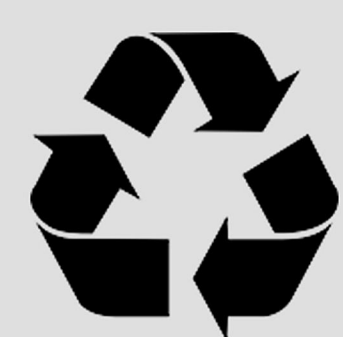


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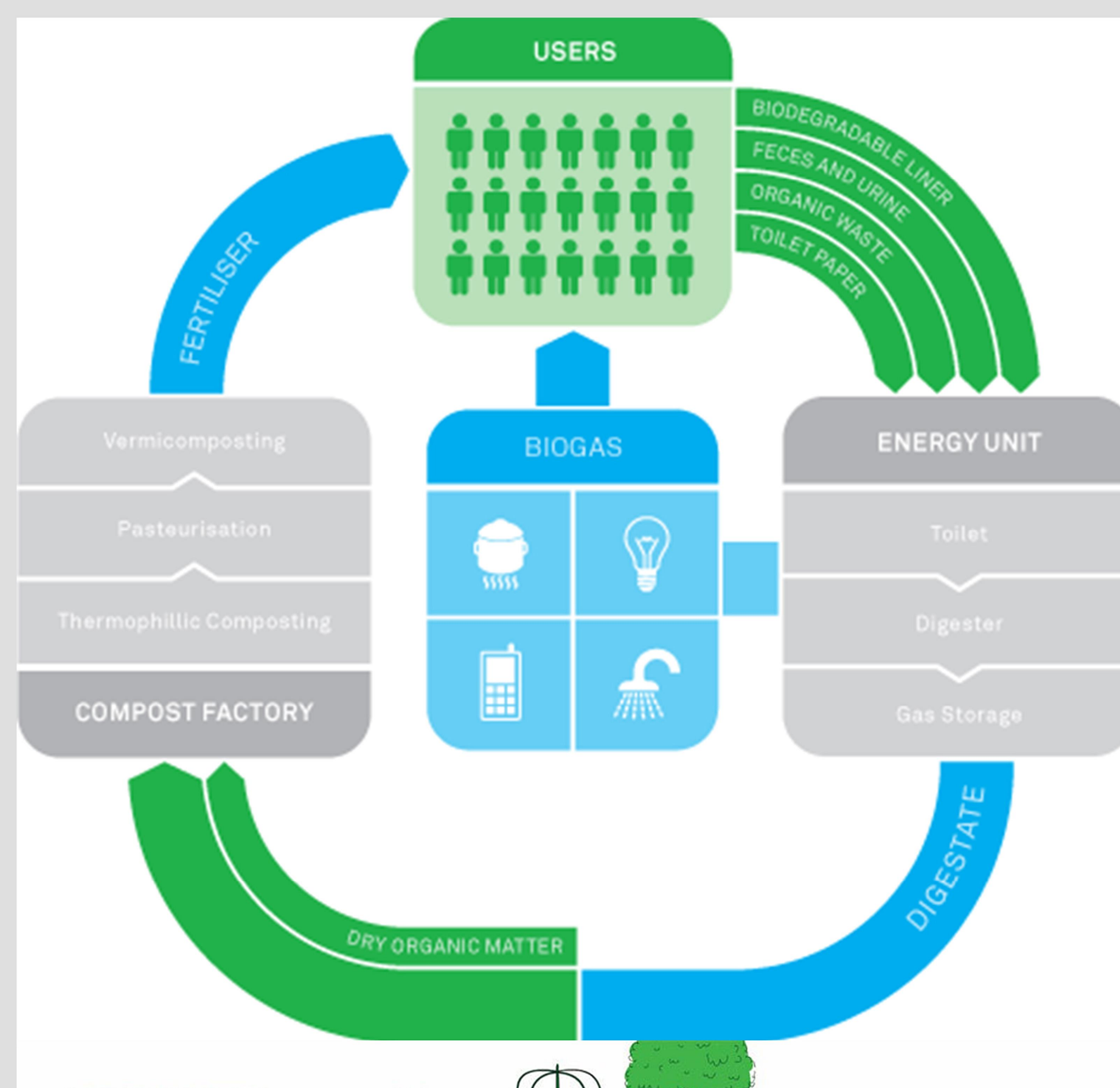
WASTE MANAGEMENT AND POWER GENERATION



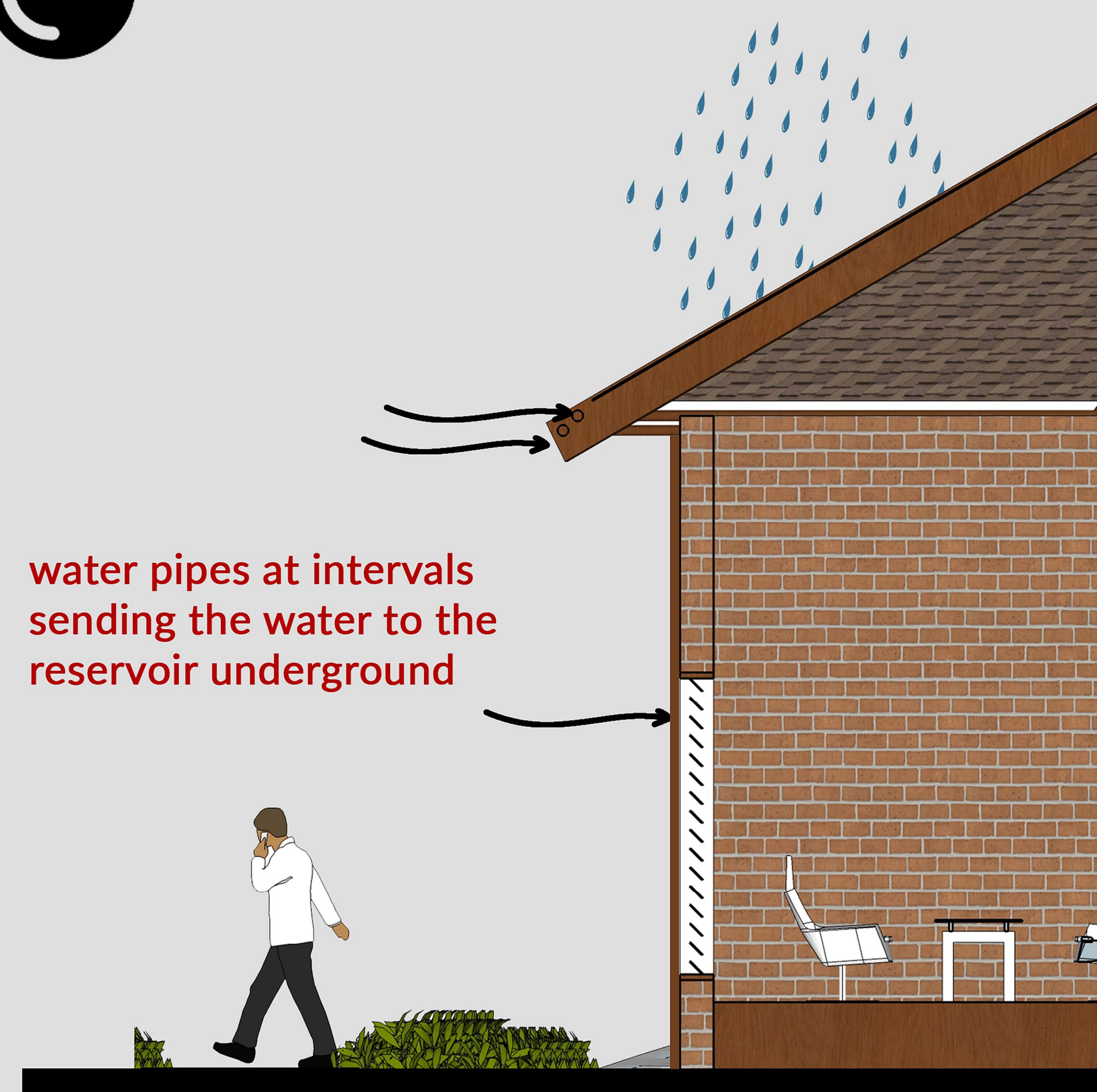
For the waste management system we opted for the Loowatt waterless system that enables us tackle 2 major challenges in rural areas.

1. It helps us conserve water especially in rural areas with water scarcity problems.
2. It also generates electricity from the waste (human excreta) which ultimately results in low carbon emissions, energy conservation and low cost implications

Also as additional power generation we have Solar panels on the roof deck of our design. The solar panels produce around 2600 watts of power . The battery can store about 10 amp hours' worth of power.



WASTE MANAGEMENT



water pipes at intervals
sending the water to the
reservoir underground

When rain is falling rain water is collected in the two pipes on the roofs and then transported to the reservoir where the water is treated before it is then circulated back to the clinic facility for use in the wash hand basins, laundry and kitchen sinks



JOB CREATION

Ushafa is known for pottery and burnt clay brick manufacturing. Thus with the commencement of the building of the clinic, some of the educated locals that make this burnt bricks will be employed and paid while others will be paid as laborers on the site.

USHAFA is home to 120 Thousand people today. Introduction of a Proper Healthcare facility which would cater to it's people's needs, Educate and counsel Them about Immunization and General Hygeine Would only bode well for The future of The Ushafa Community.



THE FUTURE OF NIGERIAN HEALTHCARE

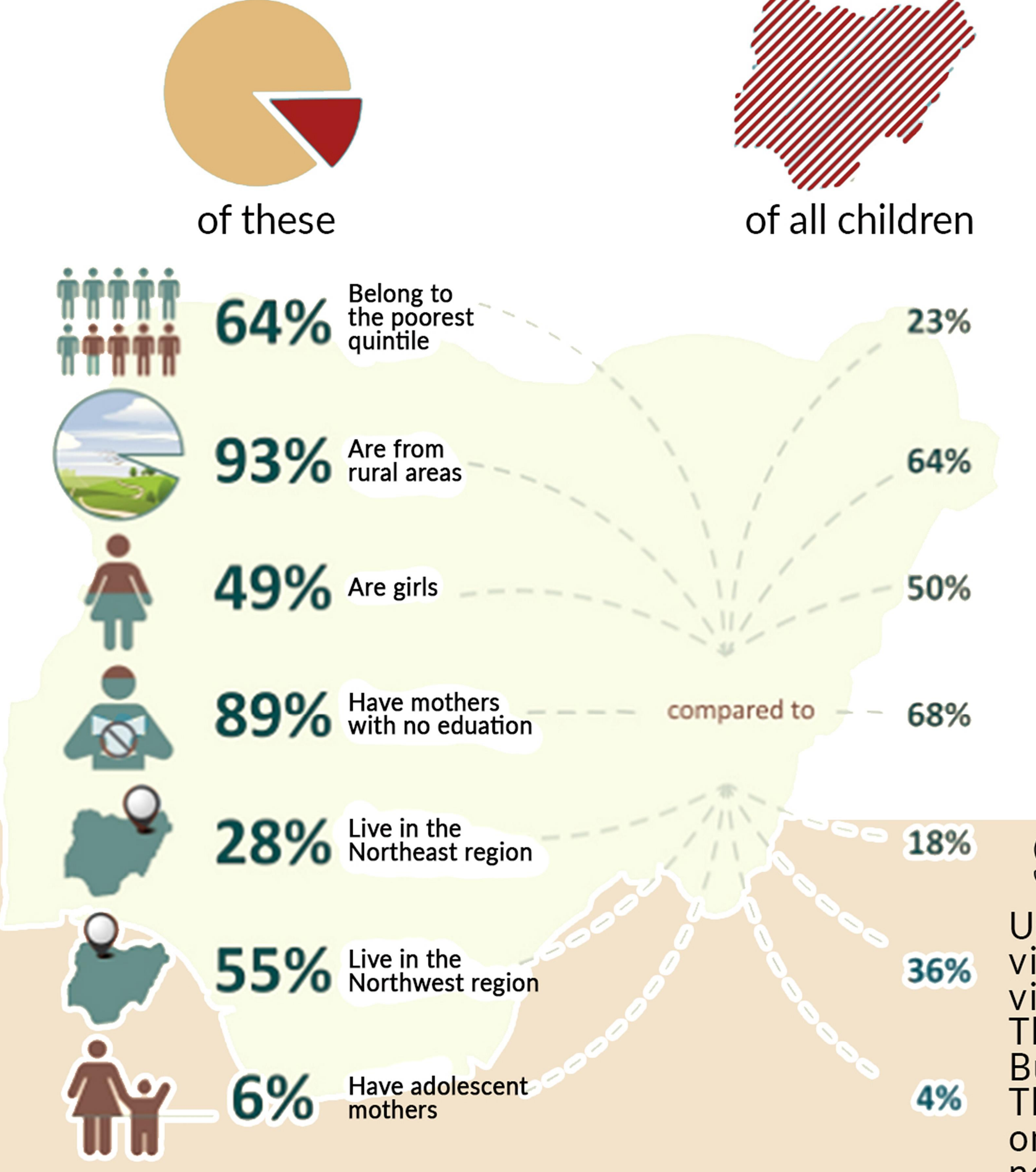
NIGERIA is home to 182.2 million people today; by the end of the century, it could be more populous than all of Europe - and it ranks dead last in the Global Youth Wellbeing Index.^{vi}

LIKE OTHER FAST-GROWING COUNTRIES, much depends on whether Nigeria's government can meet the needs of its young population.

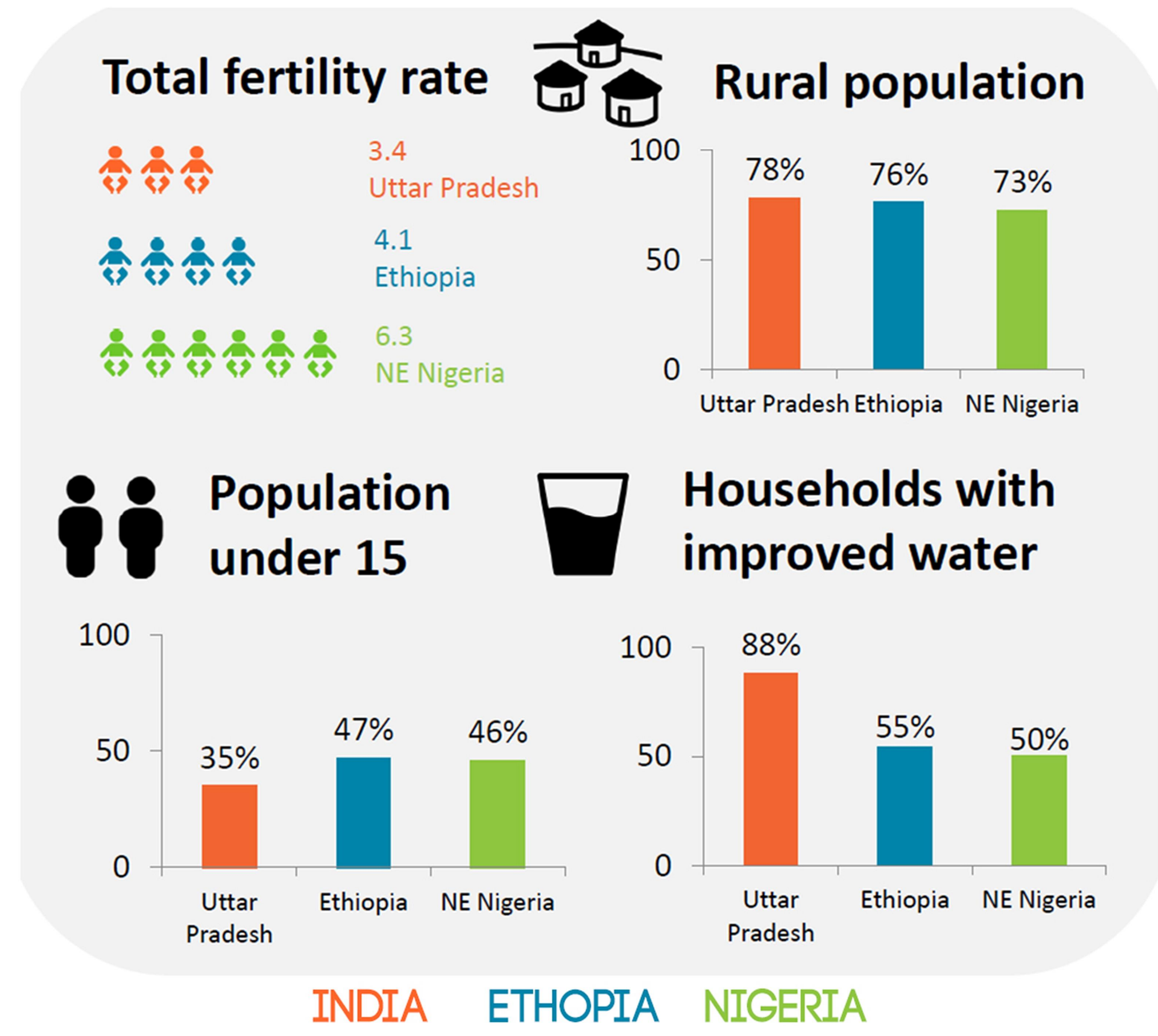


'WHO IS BEING EXCLUDED?'

In Nigeria (2013) 13.3% of all children failed to receive a single intervention



PRESENT CONDITION



According to a PricewaterhouseCoopers study in 2015, Nigeria has just **5 Hospital beds for every 100,000 people** as opposed to an average of 24 beds per 100,000 people in South Africa (The Continent's most advanced Medcare)

SO WHAT'S THE FUTURE? PROVIDING HEALTH CARE FACILITIES IN THE RURAL AREAS WITH:



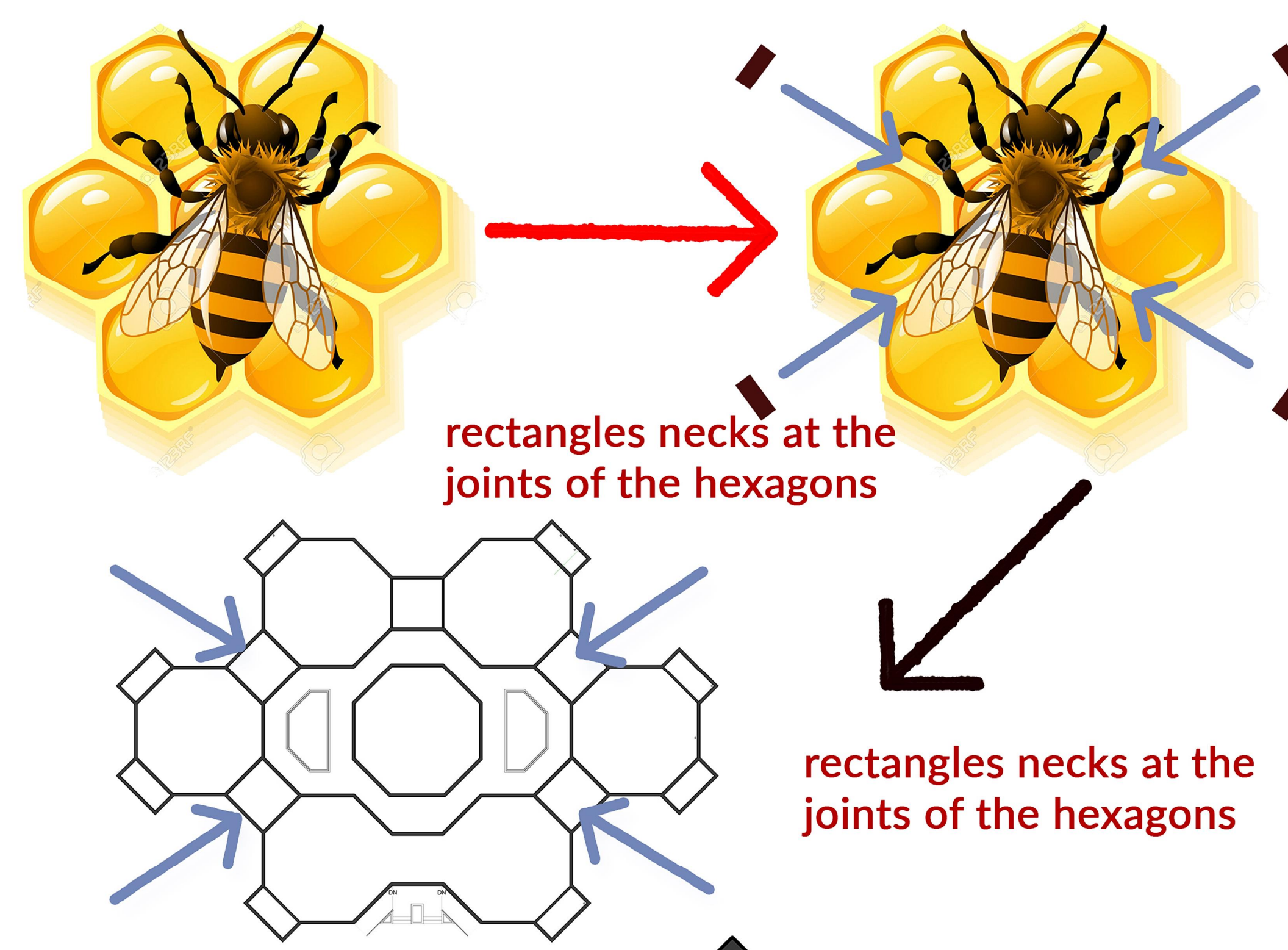
SITE LOCATION: USHAFI VILLAGE

Ushafa village (Also referred to as "Bill Clinton Village" because of his visit to the place in 2006 is well known for its pottery. The pottery village was formed by late Mrs Mariam Babangida. The village produces works that range from Functional wares; Burnt bricks, teacups, water jugs, etc. to Decorative items. The Village currently has no health plan with the people having to rely on traditional means for relief and having to travel 45 - 50 mins to the nearest town in cases of Emergencies.

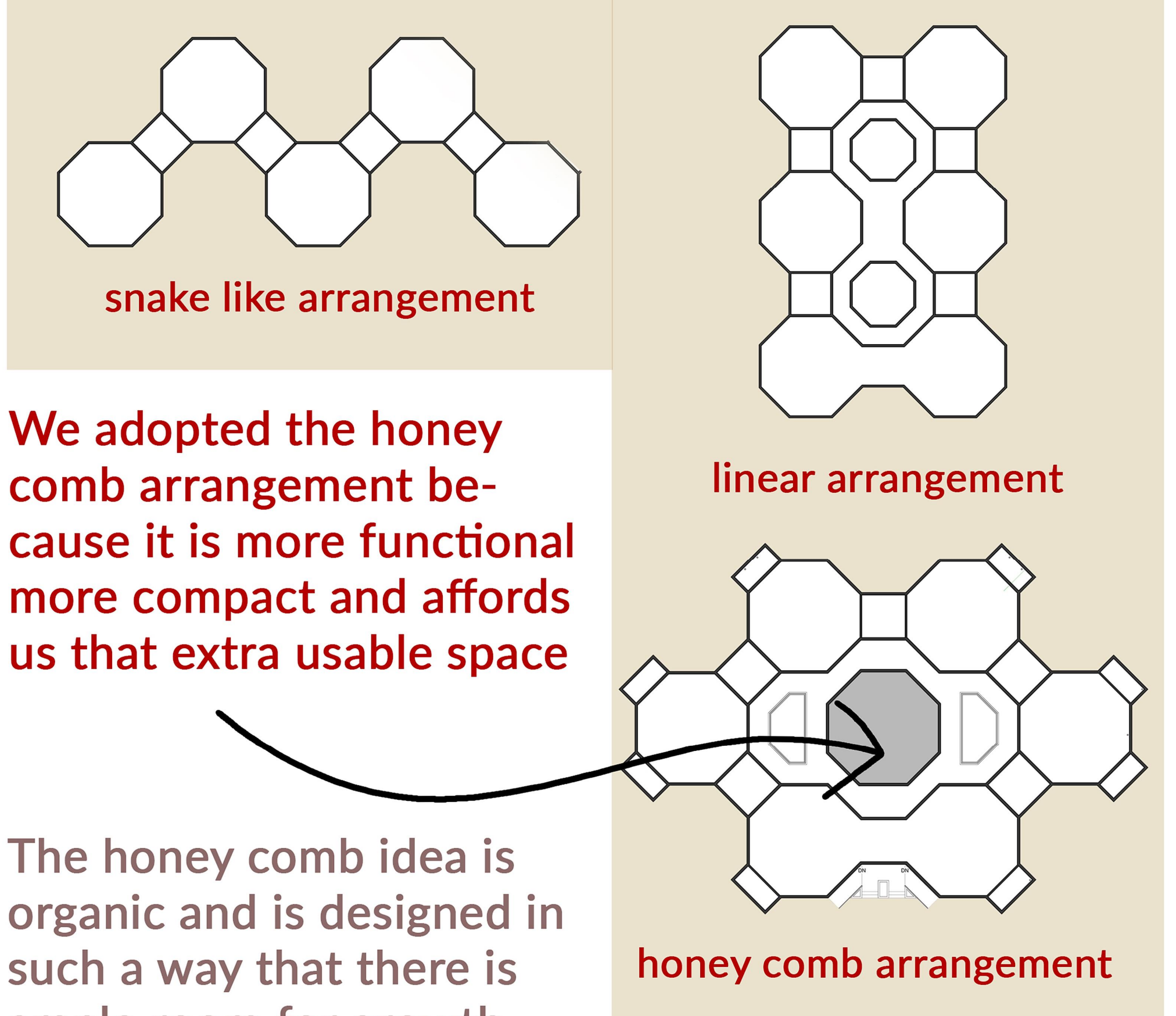
We predict that the future of Nigerian health care facilities by the year 2025 will be in an organic form capable of adapting to the demand and diverse site situations that may arise. The birthing of said facilities will not just be a landing of alien spaceships (Architecture strange to the residents) but it will be architecture built in respect to the culture and traditions of the people in that community.

CONCEPTUAL DRAWING

We conducted a small study on the honey comb of bees. We opted for this idea because it is an organic form and architecture in Nigeria is headed towards being organic, sustainable, cost effective and also futuristic (tackling future issues right from the present).



MODULES WHICH CAN BE ADOPTED

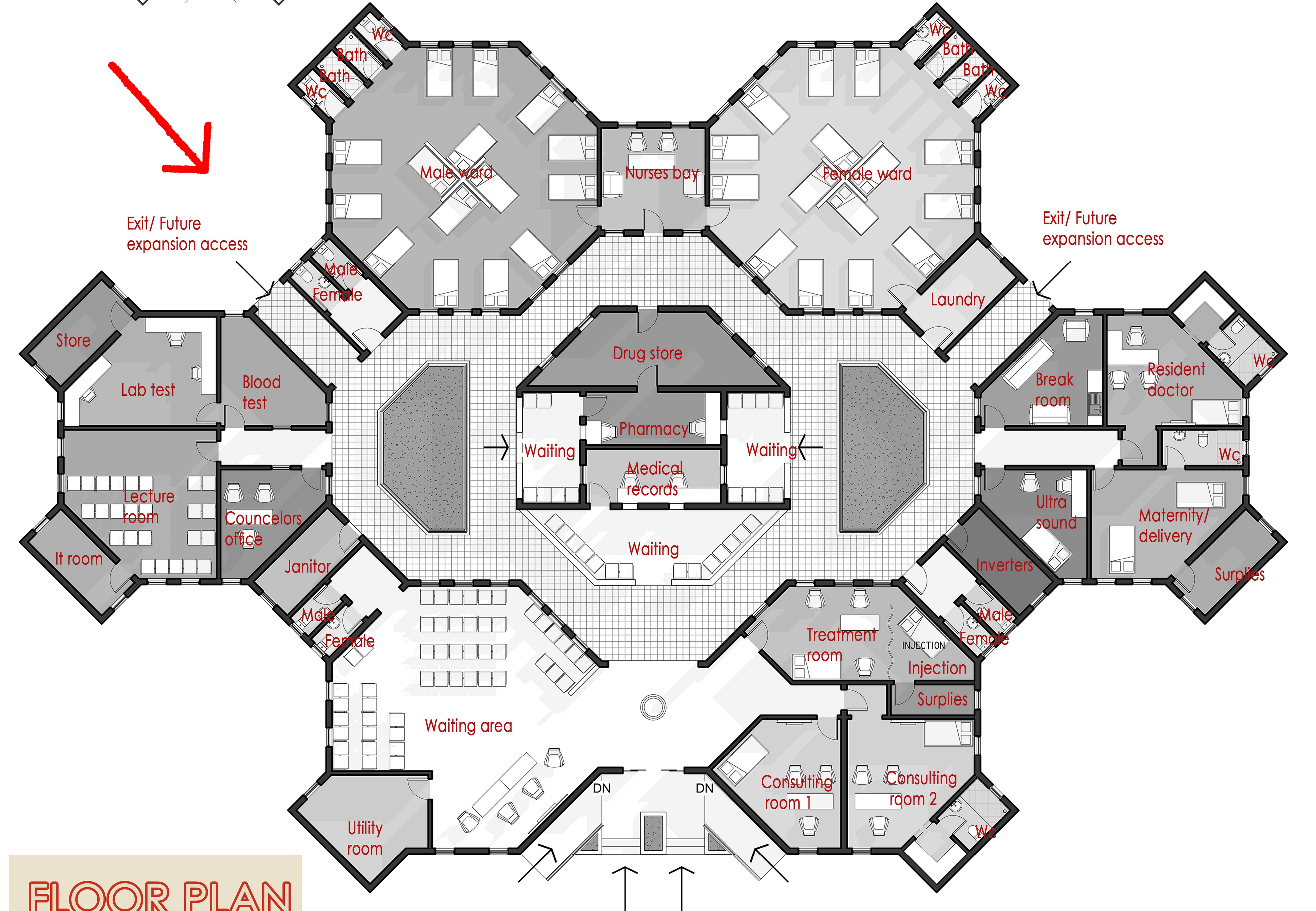


We adopted the honey comb arrangement because it is more functional more compact and affords us that extra usable space

The honey comb idea is organic and is designed in such a way that there is ample room for growth.

We introduced little rectangular necks at the joints of the octagons which gives the architecture a unique character and also solves a foreseen problem of circulation through the existing clinic and future expansions.

We also considered how the new expansions will be built without jeopardizing the existing building and thus designed in a way that there will be absolutely no need to knock down existing walls.



FLOOR PLAN