

To Whom It May Concern

As part of the scope of work with the Impact Assessment team of Give Grants, third party assessment reports have been developed for the below programs:

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With Regards,

SD

Impact Assessment

FY 2021-2022



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Executive Summary

NATCO Trust's initiatives such as 'NATCO High School' (NHS) and 'NATCO School of Learning' (NSL) plays a crucial role in enhancing the quality of education, especially in areas where affordability of education can be a significant challenge.

The assessment at each of the school reveals that the program has been able to attract students and deliver quality education. It is important to note that all Natco High School teachers and a substantial portion (44%) of NATCO School of Learning teachers are from the same area. This could develop a deep understanding and can facilitate a stronger bond between teachers and students. NATCO schools adopt diverse teaching methods. In NHS and NSL, students found the use of audio-visual aids and teachers using real life examples more engaging and interactive. However, in NHS, students encountered challenges in meeting academic requirements particularly in Hindi & Telugu (50%), Math (25%) and Social-Science (19%), while Math (54%), English & Hindi (26%) and science (16%) are the difficult subjects for the students of NSL. The high percentages of students from NHS (94%) and NSL (80%) expressing faith and belief that the school will support them in pursuing their future education and goals are positive indicators of the schools' impact and effectiveness.

Interaction with the parents reflects overall satisfaction with the quality of education provided in both the schools. Emphasis on sports and good quality education are the key strengths of NHS while better facilities, quality of teaching and pollution free environment are the highlights of NSL.

The schools have offered quality education, as evidenced by the success of alumni in various fields. Majority (71%) of alumni from NHS stated that the school provided guidance after the 10th standard and are currently working as a bank employees, Software Engineer, Doctor or pursuing higher education. Likewise, 75% of the alumni from NSL displayed a strong emphasis on providing guidance and support to students who are currently preparing for entrance exams like civil services or Engineering Agricultural and Medical Common Entrance Test. This suggests that NATCO Schools are committed to supporting students beyond their secondary education.

The intervention by NATCO Trust, has played a crucial role in providing support to students in attaining quality education and helping them choose career paths with the required support and guidance.

Introduction

The program is in alignment with the following Sustainable Development Goals (SDGs) outlined in the United Nations Agenda 2030.



By 2030, ensure that all men and women, in particular the poor and the vulnerable, have equal rights to economic resources, as well as access to basic services, ownership and control over land and other forms of property, inheritance, natural resources, appropriate new technology and financial services, including microfinance



By 2030, ensure that all girls and boys complete free, equitable and quality primary and secondary education leading to relevant and effective learning outcomes



By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status

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Establishing 'NATCO High School' in 1995 in Rangapur Village of Rangareddy district, Telangana and later the 'NATCO School of learning' in 2011 in Gollamudipadu village of Guntur district, Andhra Pradesh demonstrates a commitment towards providing quality education in rural communities. The goal of the NATCO educational program is to advance the notion of academic stewardship for everyone. The trust has been managing the operation of this school since 1995 with the objective of providing the rural population with an excellent education.

The assessment focuses on assessing the quality of education provided by NATCO Trust's schools is aligned with the broader goals of empowering individuals and communities, fostering development, and creating positive, lasting changes in the lives of rural students.

The beneficiary interactions were carried out in Guntur, Andhra Pradesh and Rangareddy Telangana. Key Informant Interviews (KIIs) were conducted with the teachers/principals of NATCO High School and NATCO School of learning, parents and alumnis.

Scope of study

OBJECTIVES

Assess the relevance and efficiency of the intervention and review the implementation pathways

Find the areas of improvement across all the factors from program design to implementation

Understand the effectiveness of the intervention

Understand the major success factors and challenges in the intervention.

Provide an assessment framework to be able to capture impacts in a manner that is an effective recommendation.

LIMITATIONS

- No limitations registered.

Methodology

Three Point Assessment Framework



Program Design

We study program design through program strategies, inputs and resources, assumptions, outreach mechanisms, and much more. Give's Impact Assessment approach for program design is based on assessment criteria such as Relevance and Preparedness using methodologies such as need assessment of baseline survey.



Program Delivery

Give assesses the program delivery to understand the success of the program delivery mechanism in attaining the overall objectives such as cost effectiveness, resource efficiency, equity in service delivery, best practices and challenges, perception about the services among the relevant stakeholders, among other actors.




Impact and Sustainability

The program's impact potential was assessed to ascertain whether a change or the desired outcome can be attributed to the program intervention. Give uses criteria such as scale and sustainability of impact to understand the change and potential of sustaining the change inter alia.

Sampling Strategy

 **127**
Beneficiary
Outreached

 **127**
Successful
interactions

 **127**
In-person

 **NA**
Virtual

Key Informant Interviews



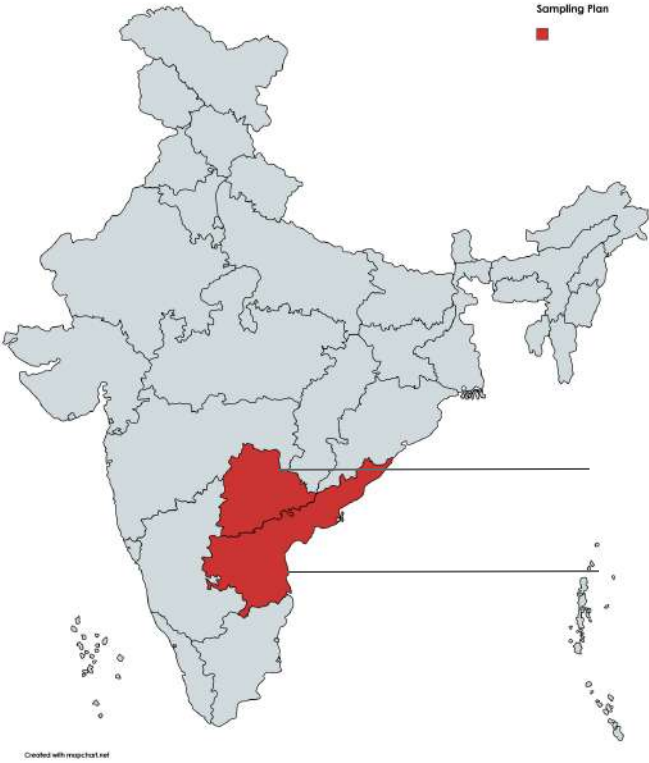
Teachers: 16



Parents: 11



Alumni: 10



Rangareddy District,
Telangana

Guntur District,
Andhra Pradesh

Findings

NATCO Trust's flagship education program spans over two decades, including NATCO High School (NHS) since 1995 and NATCO School of Learning (NSL) since 2011. Both schools prioritize providing quality education in remote areas, catering to families from diverse backgrounds, including farmers and businesses. NATCO Pharmaceutical employees also opt for these schools. The finding reveals that all NHS teachers and 44% of NATCO School of Learning teachers are from the same area, fostering student-teacher connection. NATCO Trust's community-level awareness campaigns contribute to direct admissions, including referrals from the Child Welfare Committee.

Both schools have highly qualified teachers who possess the essential credentials required for school educators, including a bachelor's degree in education, and many of them also hold postgraduate degrees. The trust's commitment to quality education is evident in stakeholder ratings, with a majority giving 4 or more for program necessity and quality.

The following information for both schools provides an overview of the program's significance from the perspective of key stakeholders.



Relevance

NATCO High School – Rangareddy District – Telangana

Qualification of Teachers: Masters' degree along with M.Ed. or B.Ed.

No. of years students' are in the school: 9 years (Median)

Quality of teaching: 4.7 (Out of 5 ratings)*

Teachers

Resident of Rangapur Village: 100%

Students

Learning experience in school: 4.8 (out of 5 rating)*

Parents

Strength of the school: Quality education & emphasis on sports

Years of experience in school: 5 years (Median)

School's ability to continue academics during COVID-19: 97% states 'Yes'

% of students from Rangapur village attending NHS: More than 90%

Relevance for the need of the intervention: 4 (Out of 5 rating)*



Relevance

NATCO School of Learning – Guntur District – Andhra Pradesh

Qualification of Teachers: Masters' or graduation degree along with M.Ed. or B.Ed.

No. of years students' are in the school: 7 years (Median)

Quality of teaching: 4 (Out of 5 ratings)*

Teachers

Resident of Village Gollamudi Padu Village: 44%

Students

Learning experience in school: 4.8 (out of 5 rating)*

Parents

Strength of the school: Better facilities, quality teaching and free from pollution.

Years of experience in school: 12 years (Median)

School's ability to continue academics during COVID-19: 96% states 'Yes'

Awareness about the School: Advertisement and Word of Mouth

Relevance for the need of the intervention: 4 (Out of 5 rating)*

*Ratings were based on a 5-point Likert scale: 5: Excellent to 1: Poor

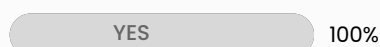
Teachers perceive their school as distinct within the community due to the emphasis on effective educational pedagogy, including tech-based learning. Training sessions, both virtual and physical, are provided to teachers to enhance this approach. This focus resonated with student feedback, highlighting the use of audio-visual aids for improved conceptual understanding. Responses from students primarily centered on science subjects, followed by social sciences, math, and languages as subjects where visual teaching tools were employed.

Students' Teaching Learning Practices & Preference in NHS

Use of audio visual aids in classrooms



Teachers use real-life examples



Preferred learning tools

- Group Activities
- Stories
- Audio-visual aids

Inference

The significant response from students indicating the use of audio-visual aids and real-life examples by teachers reflects a diverse classroom culture and a focus on interactive learning. This inclination towards narratives, visuals, and group activities underscores the students' preference for engaging teaching tools. It becomes crucial for two main reasons: aligning with the new education policy's emphasis on experiential learning and digital literacy, and ensuring students effectively meet grade-level requirements, thus building a robust foundation.

Academic Challenges

*Students: Subjects difficult to follow



Students encountered challenges in meeting academic requirements, particularly with subjects such as languages (Hindi & Telugu). They expressed difficulty in grasping non-native languages especially for those who are natives of other states, as mastering a language involves not only understanding its rules but also immersing oneself in its cultural nuances and context.

Other challenges mentioned included Mathematics and specifically History in social sciences. Students found memorizing formulas and historical details daunting.

Teachers (sampled) highlight similar hurdles, with subjects of Telugu, Social Sciences, and English as areas of the challenge to aid students' understanding

*The data reflected is an approximate response collected from the respondents showcasing the highest values

Other Highlights:

- 10-20% of students are below grade levels across grades.
- Attendance rate for academic year 2022-23 was at 90%.
- Persistent challenges in payment of fees by parents; parent counselling and meetings were arranged to resolve this matter.
- Teachers express the need for training on new teaching methods to stay relevant and enhance the teaching-learning culture of the school.

The school has adopted interactive learning system to impart education among the students. Adoption of an interactive learning encourages active participation and engagement among students, and it reflects a commitment to modern, learner-centered education. The fact that students' feedback aligns with the school's approach to use audio-visual aids for improved conceptual understanding underlines the effectiveness of these methods in enhancing learning.

Students' Teaching Learning Practices & Preference in NSL

Use of audio visual aids in classrooms

YES  94%

Teachers conducting activities

YES  88%

Preferred learning tools

- Textbooks and black board learning
- Group-activities
- Audio-visual aids

Additional support by teachers

Additional classes are conducted by the teachers

Inference

The response from students reflects that the classroom encourages diverse learning methods. The use of audio-visual aids and conducting activities in the classroom reflects a focus on interactive learning. The alignment of teaching methods with students' preferences and learning is a key factor in creating a positive and effective learning environment. By embracing interactive teaching methods, the school is creating a more engaging and effective learning environment, ultimately benefiting both students' academic progress and their overall development.

Academic Challenges

*Students: Subjects difficult to follow

YES  54%

Math

YES  26%

Languages: English & Hindi

YES  16%

Science

Students encountered challenges in meeting academic requirements, particularly with subjects such as languages (Hindi & English). Other find, Mathematics and Sciences, especially biology difficult to understand.

Few students reported difficulty in memorize the formulas, difficulty in understanding while few doesn't have enough study material.

Teachers (sampled) highlight similar hurdles, with Math and Science.

The methods adopted by the school for teaching is a proactive approach to overcoming hurdles in the classroom environment. Ensuring teachers and students have access to required resources to support interactive learning can lead to improved learning outcomes and more engaging educational experience across the all subjects.

*The data reflected is an approximate response collected from the respondents showcasing the highest values

Other Highlights:

- Students participate in extra-curricular activities like debate, dance, NCC, science exhibitions, sports, poster making competitions etc.
- Students are encouraged to communicate in English during school hours for improvement in the language.

NATCO High School - Rangapur Village, Nandigama Mandal, Rangareddy District - Telangana

The graph below represents the subjects that students are willing to pursue after 10th std. This data reflects the diverse interests and career aspirations of students at this stage of their education. This signifies the various opportunities they have to explore their interest and select subject that aligns with their future academics and future goals. Schools and educational institutions often play a crucial role in providing guidance and resources to help students make informed decisions about their educational paths. 94% of the students believe that their school will support and guide towards deciding their future goal.

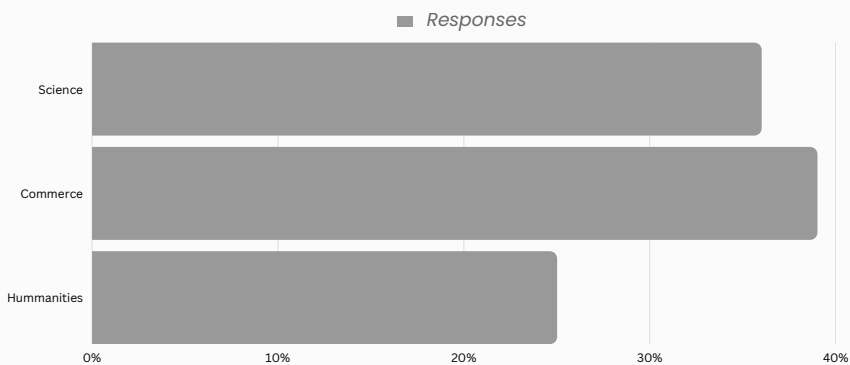


Fig: Subject students are willing to pursue after 10th

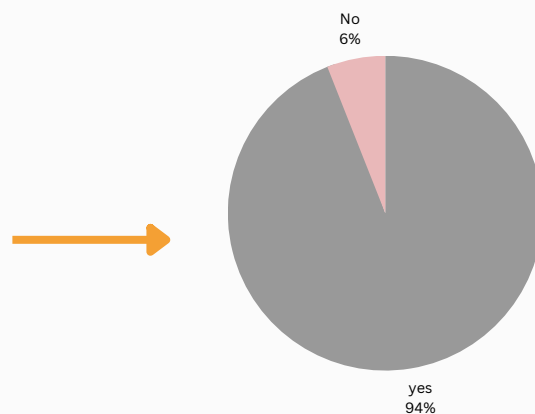


Fig: Students' opinion of schools providing guidance

NATCO School of Learning - Gollamudipadu Village, Ponnur Mandal, Guntur District - Andhra Pradesh

The data represents, choice of subject that students are willing to make after 10th std. 98% of students wants to study science while remaining 2% are willing to pursue in commerce. Effective guidance and support from schools and educational institutions can significantly impact students' ability to make well-informed choices and pursue the subjects and career paths that align with their interests and goals. 80% of the students believe that their school with provide guidance in this process. The students' belief and faith in the school's guidance and support demonstrate a strong sense of trust and confidence in the institution.

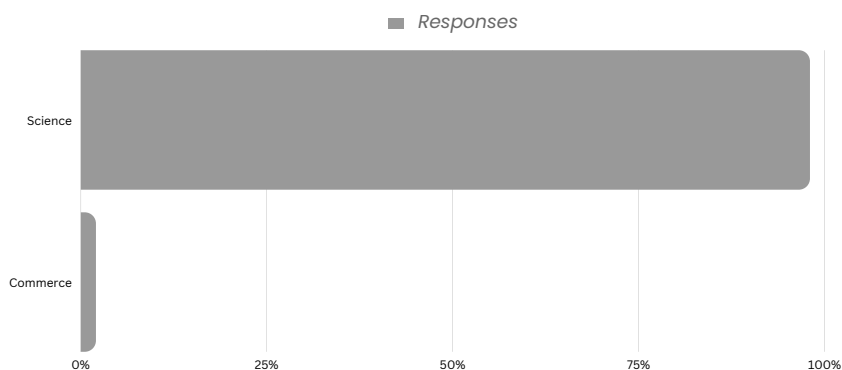


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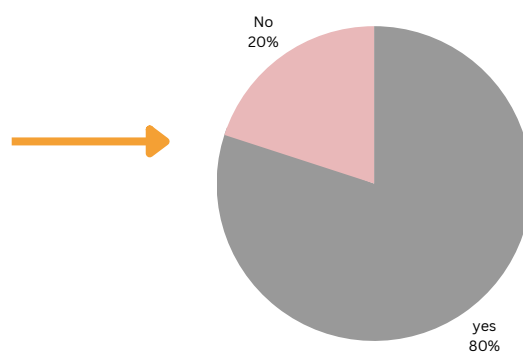


Fig: Students' opinion of schools providing guidance

NATCO High School - Rangapur Village, Nandigama Mandal, Rangareddy District - Telangana

Current profession of the Alumni'

- Bank employees
- Software engineer
- Doctor
- Pursuing post-graduation (mass communication)
- Pursuing graduation

INFERENCE

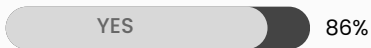
The guidance and support provided by teachers play a vital role in helping students make informed decisions about their future education and career paths. The combination of effective teacher guidance and access to high-quality educational resources can significantly impact on students' choices and inspire them to pursue higher studies.

School provided guidance after 10th



Alumni interactions focused on school's role in influencing the career choices and paths of former students is an indication of school's impact and effectiveness in guiding its graduates toward successful professions.

Recommend NATCO High School



NATCO School of Learning - Gollamudipadu Village, Ponnur Mandal, Guntur District - Andhra Pradesh

Current status of education

- Preparing for Civil services
- Preparing for Engineering Agricultural and Medical Common Entrance Test

INFERENCE

The fact that educational aspects learnt at NATCO institution have laid a strong foundation for pursuing successful careers signifies institutions' commitment to provide quality education. The students believe that the motivation from teachers has encouraged them to prepare for various entrance examinations like Civil services and Engineering Agricultural and Medical Common Entrance Test.

School provided guidance after 10th



Recommend NATCO School of Learning



SWOT Analysis

Strengths

- Adoption of diverse learning methods to create more inclusive and effective learning environment.
- Highly qualified and trained Teachers.
- Parents involvement in children's education.
- Experiential learning opportunities for students and exposure to natural habitat

Weaknesses

- Need for dedicated intervention on the aspects of continual learning.

Opportunities

- Setting up of such schools at other locations.

Threats

- No perceived threats

Recommendation

Recommendation

- Invite alumni to interact with high school students and help in understanding the importance of higher education in being market relevant.

Expansion

- NATCO Trust should contemplate implementing a similar model in conjunction with other state administrations, given that this approach has demonstrated notable advantages, particularly for individuals hailing from marginalized communities.

Impact Assessment

FY 2021-2022



Government School
Infrastructure

give | grants



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Executive Summary

Quality education remains a distant goal for many disadvantaged children in India. Inadequate teaching methods, staff, and infrastructure pose challenges for schools and anganwadi centers, particularly from a classroom infrastructure or sanitation perspectives which often has led to high dropout rates. Through this intervention, NATCO Trust aims to enhance the infrastructure of the government school and anganwadi center to facilitate better educational opportunities and address these issues.

As part of the impact assessment, on-site visits were carried out at the Government Anganwadi, Arogya Nagar, Rehamat Nagar, GHMC division, Hyderabad and two Zilla Parishad High Schools (ZPHS) each located at Kothur and Siddipet respectively. The team at Give interacted with the students and parents of these students for the infrastructure support in the government schools. The anganwadi workers, mothers and NATCO field co-ordinators were reached for the anganwadi centres at Borabanda, Hyderabad. along with the KIIs involving teachers, school management committee members, and the program team.

The study found that the anganwadi centre has experienced increased enrollment rates by having at least 10 girls each year and a subsequent rise in numbers of students coming to anganwadi post the intervention. The students attending anganwadi centres is particularly important for the fact that the intervention led to opening of the anganwadi workers on time resulting in the cascading effect of the students coming to the centre. This growth is reinforced by the fact that no children have dropped out after the intervention.

ZPHSs have witnessed a positive shift due to infrastructural upgrades. The integration of science and computer labs has introduced supplementary pedagogical techniques, improving learning outcomes. These labs have brought better understanding of a concept learnt in the classroom. The library at ZPHS, Kothur has emerged as a valuable asset offering resources that extend beyond the confines of classroom knowledge. Architectural considerations in the design of the ZPHS buildings have created a conducive learning environment, while the presence of additional facilities such as an open auditorium, sound system, CCTV surveillance, and well-equipped labs are commissioned to further enrich the educational environment.

The facilities upgrade in these schools have led to elevation of school's image in the among the local community. This has contributed to increased parent engagement, reflected at both, the anganwadi centre and ZPHS at Kothur & Siddipet. Increased motivation of teachers, combined with consistent student attendance have underscored the success of these interventions.

While the outcomes of an infrastructural intervention is to support overall learning, it will be crucial for the schools to maintain these infrastructural changes. NATCO Trust may constitute a group ensuring timely up-keep of the infrastructure handed over.

Introduction



Target 4.a: Build and upgrade education facilities that are child, disability and gender sensitive and provide safe, non-violent, inclusive and effective learning environments for all

Access to quality education remains an elusive aspiration for numerous disadvantaged children in India. The lack of proper teaching techniques, personnel, and infrastructure poses significant challenges for both government schools and Anganwadis. Particularly in terms of infrastructure, a considerable number of government schools and Anganwadi centers suffer from inadequate facilities like clean restrooms, limited classroom infrastructure, and a sufficient number of classrooms. This deficiency contributes to a higher rate of student drop-out. In an effort to address this issue, NATCO Trust has directed its efforts towards enhancing the infrastructure of government schools and Anganwadis, aiming to create an environment conducive to improved educational opportunities.

Improving government school and Anganwadi infrastructure is a part of NATCO Trust's robust program that entails improving the overall quality of public schools which entails providing human resource support, health check-ups to supplementing academic requirements.

For the scope of the impact assessment, the study measured the intervention that comprised of the construction of classrooms, libraries, playgrounds, and toilets. Additionally, efforts were made to establish consistent access to electricity and water resources for effective utilization of the sanitation units in schools.

Beneficiary surveys were conducted with students and their parents. Key Informant Interviews (KIIs) were conducted with the school management committee and principal, teachers and Anganwadi workers.

Scope of study

OBJECTIVES

Assess the relevance and efficiency of the intervention and review the implementation pathways

Find the areas of improvement across all the factors from program design to implementation

Understand the effectiveness of the intervention

Understand the major success factors and challenges in the intervention.

Provide an assessment framework to be able to capture impacts in a manner that is an effective recommendation.

LIMITATIONS

- No limitations registered.

Methodology

Three Point Assessment Framework



Program Design

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Program Delivery

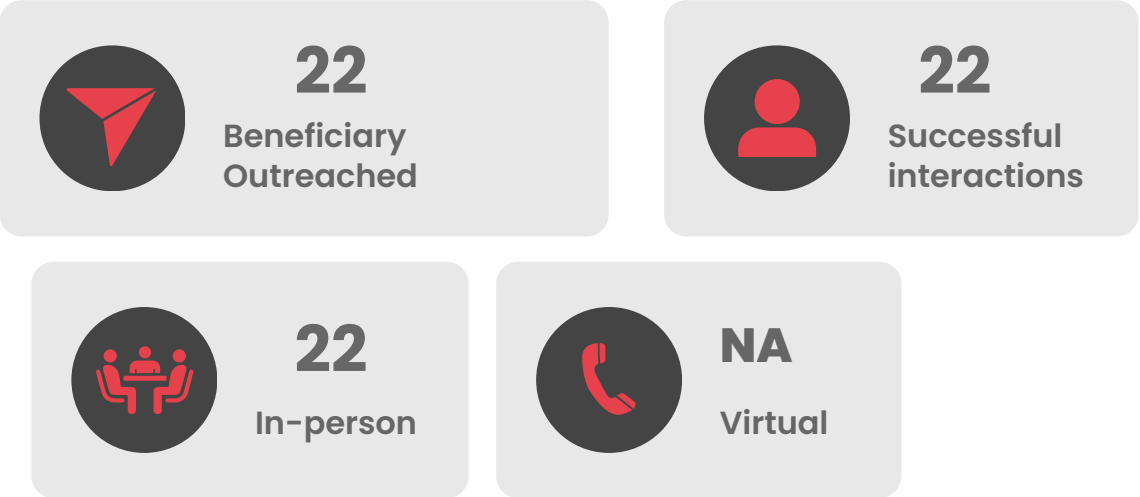
Give assesses the program delivery to understand the success of the program delivery mechanism in attaining the overall objectives such as cost effectiveness, resource efficiency, equity in service delivery, best practices and challenges, perception about the services among the relevant stakeholders, among other actors.



Impact and Sustainability

The program's impact potential was assessed to ascertain whether a change or the desired outcome can be attributed to the program intervention. Give uses criteria such as scale and sustainability of impact to understand the change and potential of sustaining the change inter alia.

Sampling Strategy



Key Informant Interviews



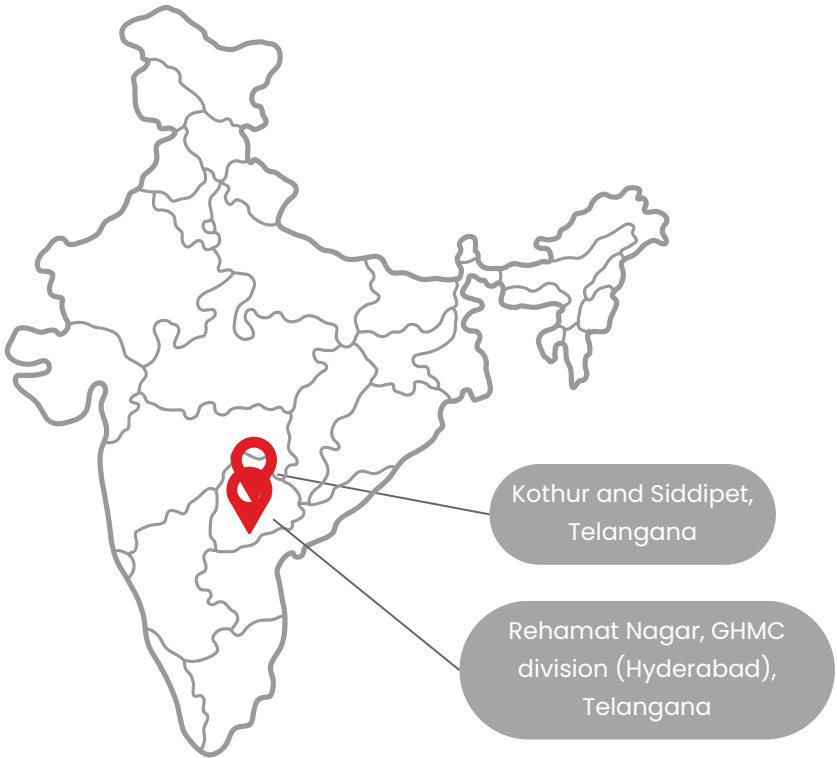
School Management Committee: 2



Program Team: 1



School/ Anganwadi Teachers: 4



Findings

Program Design

Government School
(Infrastructure)

The children enrolled in Anganwadi in Arogya Nagar, Hyderabad, and Zila Parishad High Schools in Kothur and Siddipet respectively come from marginalized and disadvantaged backgrounds. The parents of these children are predominantly engaged in daily wage labor or other types of manual work. This socio-economic context underscores the financial limitations that these families face, making private education an unattainable option and necessitating their heavy reliance on government schools and Anganwadis.

The inadequacies in the infrastructure of these establishments were identified as obstacles that hindered the students from achieving optimal learning experiences. As a result, this intervention plays a crucial role in elevating the educational outcomes for these children.

The following information for both schools provides an overview of the need for the program from the perspective of key stakeholders.



Relevance

Zila Parishad High School - Kothur and Siddipet

Teachers

- Inadequate number of classrooms (only 9)
- No science and computer labs
- No proper washrooms
- Unsteady water supply
- No open auditorium
- No CCTV cameras or compound wall for security

Students

- 45.5% students reported facing difficulties in learning due to poor infrastructure
- Lack of designated classrooms, proper toilets, playground and computer labs were reported to significantly hamper their schooling experience

Parents

- 57.14% parents reported that infrastructural upgradation of the school was necessary for a better learning experience
- Unavailability of clean drinking water, science labs, library and playground were stated to be the primary pain points.



Relevance

Anganwadi - Arogya Nagar, Rehamath Nagar, GMCH division, Hyderabad

Teachers

- No permanent building (rental building): frequent shifting of buildings
- No playground
- No proper toilets

Anganwadi - Arogya Nagar, Rehamath Nagar, GMCH division, Hyderabad



BEFORE



AFTER



ZPHS, Kothur, Rangareddy District

By collaborating closely with government schools and anganwadi centers, the objective of making education accessible to all, NATCO Trust has been a forerunner in making education accessible for all. The multifaceted approach involves providing physical resources such as classrooms, libraries, sanitation facilities and ensuring the provision of essential utilities like electricity and water in the schools.

Through the NATCO educational program, the trust is effectively contributing to the creation of an educational ecosystem where every eligible student is encouraged to participate actively.

Institution	Intervention Output
Zilla Parishad high school at Kothur, Telangana	<ul style="list-style-type: none"> • 17 classrooms with a quality kitchen • Electricity supply to the classes • Black boards in classroom • Staff room for teachers • New science labs and computer labs • Library • Playground
Zilla Parishad high school at Siddipet,	<ul style="list-style-type: none"> • 6 additional classrooms • 1 smart classroom • New building for computer lab • 10 additional chairs and 40 green boards
Anganwadi center at Arogya Nagar, Hyderabad	<ul style="list-style-type: none"> • Water tanks • New washrooms • 25 chairs and 3 tables • New kitchen and hall for indoor games and sports.

The teachers from the Anganwadi in Arogya Nagar-Hyderabad and ZPHS in Siddipet have conveyed that following the intervention, students now have significantly increased space for collaborative learning. All educators believe that this upgrade will enhance active student engagement. The science and computer labs at ZPHS in Siddipet are being utilized by students on a weekly basis. The newly built kitchen in the Anganwadi (Arogya Nagar) ensures the provision of a nutritious mid-day meal, prioritizing the children's health. Furthermore, separate washrooms and dedicated water tanks for drinking water guarantees children's easy access to essential resources while upholding their rights. Apart from improvements in infrastructure, ZPHS in Kothur has received additional support in the form of PET, vidya volunteers, an extra teacher, and a security guard. Similarly, the Anganwadi center has been provided with teaching materials, books, and an additional teacher.

The school transformations have positively impacted the local community's perception of the schools. Students reported teachers being consistent in their attendance, driven by a desire to uphold the school's enhanced reputation resulting from the renovations.

Regarding parental involvement in school activities, the Anganwadi in Arogya Nagar, Rehamath Nagar GMCH division, Hyderabad and ZPHS teachers in Siddipet indicated 30% of parents actively engage, while ZPHS in Kothur experiences a higher engagement rate with 80% of parents consistently participating in school events. This indicates that presence of NATCO Trust on ground has led to the awareness about the need for basic education for overall development and keen interest in the child's education ensures retainability of the student to continue studies. The approaches to engage with them actively will aid creating avenues among the parents of the government school at Siddipet.

Teachers observed a perceptible shift in the local community's attitude toward sending their children to school, attributed to the improved infrastructure and facilities. This shift is underscored by the significant rise in student enrollment at ZPHS in Siddipet, soaring from 395 students before the intervention to over 1200 students now. Moreover, the count of anganwadi students (Arogya Nagar) transitioning to Grade-I surged from 15 children in 2019-20 to 25 in 2021-22, indicating a correlation between better infrastructure and better school outcomes.

In the context of the Anganwadi in Arogya Nagar-Hyderabad, several notable changes have been observed as a result of the revamping. Firstly, the students have become more consistent with their attendance and that reflects a positive engagement with the educational environment. The parents also now display an enthusiastic commitment to sending their children to the institution. Due to the newly constructed kitchen, the Anganwadi excels in providing quality food to its students, ensuring their nutritional needs are met. Furthermore, the presence of a dedicated playground allows students to engage in recreational activities, fostering holistic development. The institution's adept use and presentation of Teaching-Learning Materials (TLMs) underscore effective teaching practices.

The enrollment rate has increased, with the Anganwadi consistently admitting a minimum of 10 girls annually. They have also surged to accommodate 35 children per year. Impressively, there has also been a complete eradication of student dropouts after the intervention. The girl student strength has also increased from 8 to 10 post the intervention.

Similarly, at ZPHS in both Kothur & and Siddipet, the infrastructural developments have aided the educational environment. The consistent attendance of students as a result of the school's increased appeal indicates their dedication and fosters teachers' enthusiasm for effective instruction. The school is now well-equipped with a range of facilities that enhance the teaching process, providing a conducive atmosphere for both educators and learners.

Parent-teacher meetings (PTMs) are conducted regularly within the school premises, fostering effective communication and collaboration between educators and parents. The drop-out rate has also gone down to 0% from a pre-intervention rate of 10% at ZPHS, Siddipet. The girl student strength and attendance rate of adolescent girls also saw a multifold increase post intervention. ZPHS, Kothur's architectural design has been thoughtfully tailored to local climatic conditions, facilitating a conducive environment for uninterrupted and sustainable learning.

Diversifying the learning experience beyond traditional classrooms, ZPHSs' also utilize additional resources such as the open auditorium, science/computer labs and library. The open auditorium at ZPHS, Siddipet serves as a versatile space for hosting various programs and fostering a sense of community engagement. The sound system aids in disseminating updates and important information efficiently and the availability of well-equipped labs enhances the teaching of practical subjects. The ZPHS, Kothur library offers additional resources for acquiring knowledge beyond what is covered in the classroom.

ZPHS, Siddipet



School playground



Smart Classroom

SWOT Analysis

Strengths

- Increased attendance rate and enrollment rate of students as a result of infrastructural upgradation
- The incorporation of science and computer labs has enabled the implementation of supplementary pedagogical methods, contributing to the enhancement of learning outcomes.
- The intervention has led to improved facilities, resulting in an elevated perception of the schools within the local community.

Weaknesses

Infrastructural projects tend to be short-lived in the absence of timely maintenance.

Opportunities

- Engage parents, local communities and other stakeholders to own and sustain the intervention

Threats

No perceived threats

Recommendation

Going beyond creating physical infrastructural resources

- Provide comprehensive training programs for teachers in government schools to enhance their pedagogical skills, subject knowledge, and classroom management abilities.
- Collaborate with educational institutions and organizations to develop and deliver training modules.
- Promote innovative teaching methodologies, inclusive education practices, and child-centric approaches.

Teacher training and capacity building on pedagogy, experiential learning and classroom management abilities

- Introduce life skills education, and digital literacy.
- Invest in the procurement and distribution of educational materials, textbooks, digital learning tools, and other resources that align with the curriculum and address the specific needs of students.

Impact Assessment

FY 2021-2022



NATCO Cancer Centre, Guntur
Government Hospital: NATCO
Trust

give | grants



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Executive Summary

NATCO Cancer Centre built in 80,000 sq. ft. is a collaborative initiative of NATCO Trust and the Government of Andhra Pradesh. The centre inaugurated in 2020 is part of the Guntur Government Hospital which has been built at par with high-end private hospitals. One of the primary aims of the centre is towards providing accessible and affordable cancer treatment to patients from underserved communities thereby improving the quality of life of those who are in need of treatments.

Since its establishment, the center has attracted patients from various regions of Andhra Pradesh who are seeking medical treatment. Through interactions with these patients, it has been observed that individuals are traveling from distances exceeding 100 km. They are drawn to the center based on referrals from other physicians as well as through word of mouth. This attests to the remarkable popularity the center has garnered within a mere three years since its inception. This can further be established from the significant number of the daily patient footfall of 200-300 in the centre. The centre recorded a total number of surgeries between 300-500 in FY 2022-23 which is carried out free of cost for patients from underserved communities.

Patients primarily choose the cancer center based on the treatment's quality and the added benefit of cost-free care. Furthermore, the assessment revealed that 73% of the surveyed patients incurred no expenses for their treatment, including medications that were supplied on-site. This indicates a significant reduction in patients' out-of-pocket expenditures. For example, procedures like mastectomy, gastrectomy, glossectomy, radical hysterectomy, and nephron-sparing costs Rs. 500,000- Rs. 27,00,000 in India which provided cost-free in the cancer centre. This is especially noteworthy for individuals with annual earnings ranging from Rs. 50,000 to Rs. 1,00,000.

In terms of the center's adeptness in patient management, the satisfaction level consistently received high ratings, particularly with regard to the center's atmosphere and the proficiency of the staff. Another notable benefit is that the integration of the cancer center into the Guntur Government Hospital enhances its capability to meet a crucial healthcare demand. This not only grants cancer patients access to advanced therapies but also bolsters the hospital's position as a pivotal healthcare establishment, proficient in delivering a diverse array of medical services to the populace. However, despite being equipped with all advanced technologies, the challenge of unavailability of blood at critical times, and late at night, is a significant concern pointed out by a beneficiary. If NATCO Trust carries out periodic assessments of the centre to identify the gaps and needs, it will help in sustaining the quality of the centre in the long-run. Going forward, NATCO Trust can consider collaborating with other state administration to replicate a similar model primarily to treat patients from poor socio-economic backgrounds.

Introduction



By 2030, reduce global maternal mortality ratio and prevent deaths of newborns & children below 5 years of age. Good health is essential to sustainable development. Ensure healthy lives and promote well-being for all ages.

The National Cancer Registry Programme's 2020 report highlighted that India's cancer burden could escalate to 1.39 million cases by 2025. This underscores the critical importance of preventive measures and accessible healthcare in mitigating these concerning statistics and enhancing people's quality of life. Diseases and ailments are indifferent to the social and economic statuses of human beings, yet the quality of treatment often leaves many underprivileged individuals without affordable care due to inadequate accessibility, insufficient infrastructure, and a lack of awareness about symptoms. To address such challenges NATCO Trust collaborated with Guntur Government Hospital to build a state-of-the-art cancer care centre across a sprawling area of 80,000 sq.ft. The cancer care centre was inaugurated in 2020 becoming the first ever AERB approved government hospital in the state of Andhra Pradesh. The hospital has a capacity of 110 beds along with two intensive care units of 8 beds each along with an ultra modern operation theatre. The cancer centre since its inauguration has seen around 30,000 patients being treated year-on-year.

For the scope of the impact assessment of the NATCO and Andhra Pradesh Government collaboration the focus of the report is to analyze the quality of treatment received by the beneficiaries hailing from underserved communities.. Additionally, the report will evaluate the impact on their quality of life and their respective families as a result of the services received, identify any remaining challenges, and examine the overall achievement of objectives.

The beneficiary interactions was carried out in the Cancer Centre, Guntur government Hospital, Andhra Pradesh. Key Informant Interviews (KIIs) were conducted with the medical staff and hospital authority.

Scope of study

OBJECTIVES

Assess the relevance and efficiency of the intervention and review the implementation pathways

Find the areas of improvement across all the factors from program design to implementation

Understand the effectiveness of the intervention

Understand the major success factors and challenges in the intervention.

Provide an assessment framework to be able to capture impacts in a manner that is an effective recommendation.

LIMITATIONS

- No limitations registered.

Methodology

Three Point Assessment Framework



Program Design

We study program design through program strategies, inputs and resources, assumptions, outreach mechanisms, and much more. Give's Impact Assessment approach for program design is based on assessment criteria such as Relevance and Preparedness using methodologies such as need assessment of baseline survey.



Program Delivery

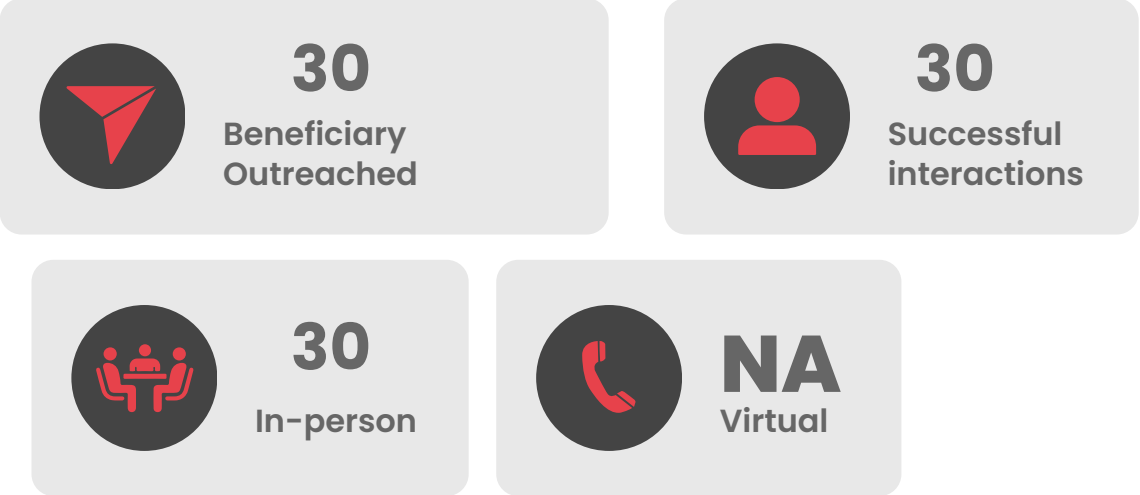
Give assesses the program delivery to understand the success of the program delivery mechanism in attaining the overall objectives such as cost effectiveness, resource efficiency, equity in service delivery, best practices and challenges, perception about the services among the relevant stakeholders, among other actors.



Impact and Sustainability

The program's impact potential was assessed to ascertain whether a change or the desired outcome can be attributed to the program intervention. Give uses criteria such as scale and sustainability of impact to understand the change and potential of sustaining the change inter alia.

Sampling Strategy



Key Informant Interviews



Healthcare professionals: 2



Program Team: 1



Hospital Authority: 1



Findings

Given that the project aims to provide accessible and affordable cancer treatment for underserved communities, table 1 provides insights into the patients' profiles gathered during interactions. The data emphasizes that patients travel from both distant and nearby areas to access the NATCO Cancer Centre for their treatments. Figure 1 further reinforces that the availability of quality and cost-free treatments are the two primary factors attracting patients to the center. This underscores the significance of the initiative undertaken by the NATCO Trust and the Government of Andhra Pradesh, addressing a crucial need within the state.

The NATCO Cancer Centre while is part of Guntur Government Hospital (GGH), has a sperate team of doctors and paramedics. The cancer centre was planned and implemented in partnership with the medical team at GGH, engineering department and NATCO management. The vision of the centre was to create the state-of-the-art facility that is at par with private hospitals having all modern amenities and equipment to provide quality services for its patients. The operations and maintenance of the hospital on a day-to-day basis is under the authority of GGH.

Age Group	Travel Distance	Association with the centre
27 - 80 years 97% respondents - in patient	30-170KM	6 Months - 1 year

Table 1: Overview of the profile of the patients

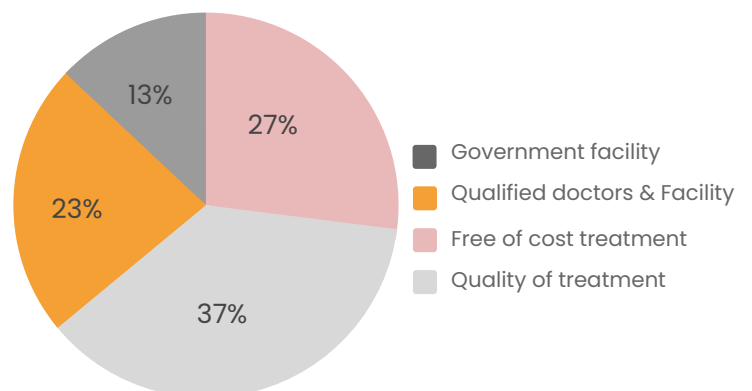


Figure 1: Patients' states reasons for opting the NATCO Cancer Centre

HOSPITAL OVERVIEW



Daily Footfall 200-300



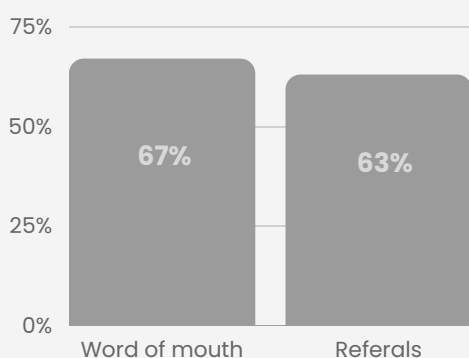
No. of surgeries in 2022-2023 300-500



10 specialized doctors after the intervention.

Medical Oncology, Surgical Oncology & Radiation Oncology

Figure 2: Awareness about the health facility



The graph indicates that the majority of patients seek treatment at the cancer center based on referrals from doctors or through word of mouth. The substantial daily footfall reflects a high level of awareness among both healthcare professionals and the general public about the cancer center, thereby reaffirming the program's relevance and necessity.

Overall patient satisfaction

Figure 3 below indicates the satisfaction level of the patients with the quality of the medical facilities and environment of the cancer block where they are treated. This is a significant indication that reflects the effectiveness and dedication of the healthcare staff and the overall quality of care provided. Further, it was highlighted by the respondents that the staff at cancer block are highly helpful and supportive during the treatment procedure.

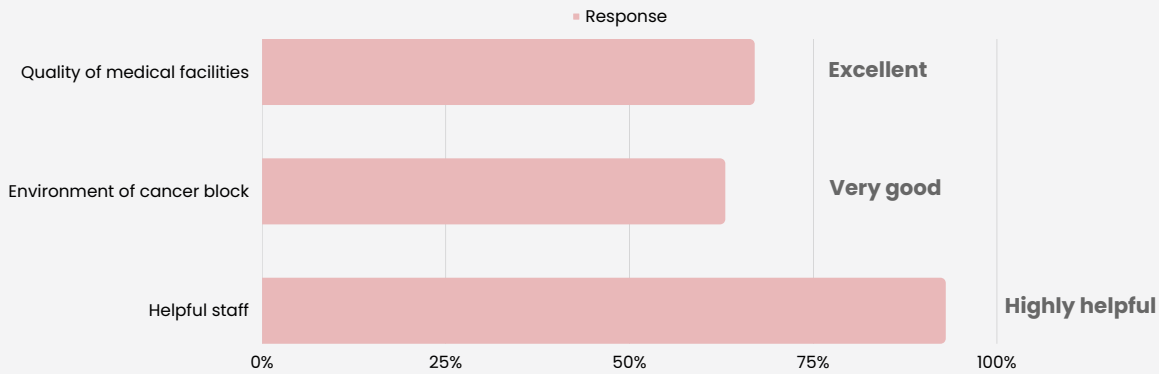


Figure 3: Patients' response on the quality of the cancer centre

Visible changes in the hospital after intervention: Response from the Hospital staff

Cleanliness- The hospital's hygiene and cleanliness is of utmost importance. Cleanliness of hospital is maintained post intervention of the NATCO Trust. Through hygiene and cleanliness, the hospital has gained the trust and confidence of the patients regarding the quality of care they are receiving.

Improved facilities- Improved facilities indicates a commitment to provide high-quality healthcare services. With support of NATCO Trust, the treatment provided for cancer patients is on par with private hospitals. The services have ensured that anyone can access quality healthcare services regardless of their economic background.

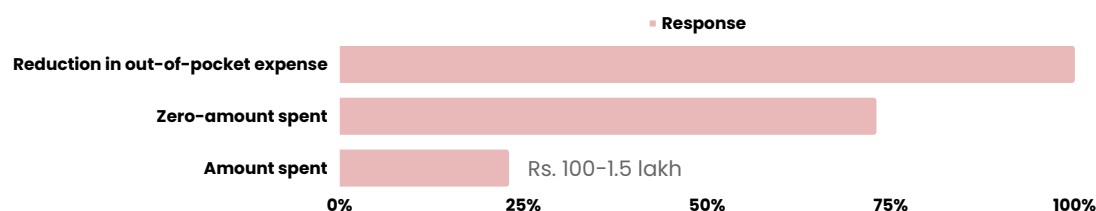
Treatment- Healthcare treatment provided is of high quality and benefited especially underprivileged patients.

Inferences

- The inclusion of cancer center within Guntur Government Hospital expands its capacity to address a critical healthcare need. It not only provides cancer patients with access to advanced treatments but also reinforces the hospital's role as a central healthcare facility, capable of dealing with wide range of medical services to the people.
- Cancer treatment requires specialized knowledge and skills therefore the presence of in-house full-time surgeons, nurses, can respond quickly during emergencies, eliminating the need for excessive travel time for the patients to seek treatment outside Guntur Government Hospital.

Reduction in out-of-pocket expense

It is significant to note that the program has significantly reduced the out-of-pocket expenses for the patients' treated in NATCO cancer centre (Figure 4). 73% of the patients' reported spending zero-amount of money on cancer treatment highlights the program effectiveness in addressing the financial burden of healthcare.



The amount spent is largely on food and accommodation.

Figure 4: Patients' out-of-pocket expense pattern

Benefits of the cancer block

- Cancer treatment and surgeries can be very expensive. Procedures like mastectomy, gastrectomy, glossectomy, radical hysterectomy, and nephron sparing may cost Rs. 500,000- Rs. 27,00,000 in India. NATCO Cancer Centre makes such treatment free of cost which mitigates the financial burden on the patients and their families.
- It is a boon for the people of affirmative action groups and socio-economically impoverished background to seek necessary treatments in the state of Andhra Pradesh.
- Cancer Centre assures access to healthcare facility with skilled health professionals which is a fundamental component of any effective healthcare system.

SWOT Analysis

Strengths

- State-of-the-art Cancer centre, a first of its kind in Andhra Pradesh approved by AERB.
- High level standards are set through treatments administered by qualified medical professionals using latest technologies.
- A substantial daily footfall of patients.
- Significant reduction in out-of-pocket expenses for patients due to free of cost treatment

Weaknesses

No apparent weaknesses found.

Opportunities

- The cancer block can serve as a hub for collaborative research and training programs, facilitating knowledge sharing among healthcare professionals, and advancing cancer treatment practices in the region.

Threats

- No perceived threats

Recommendation

Awareness programs

- Awareness program about cancer prevention, early detection and available treatment options.
- Collaboration with colleges or educational institutions to spread knowledge about cancer.
- Organizing health camps or workshops to engage local community and address their health concerns.

Need Assessments

- Regularly maintain and upgrade the equipment to ensure optimal performance and longevity.
- Conduct periodic assessments to identify any gaps in infrastructure or equipment and address them promptly.

Expansion

- NATCO Trust should contemplate implementing a similar model in conjunction with other state administrations, given that this approach has demonstrated notable advantages, particularly for individuals hailing from marginalized communities.

Impact Assessment

FY 2021-2022



NATCO Mobile Health Clinic & Digital
Primary Healthcare Centre

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Executive Summary

NATCO Trust is dedicated to enhancing the healthcare and well-being of targeted communities. The community healthcare initiative of NATCO Trust encompasses three distinct services: NATCO Mobile Health Clinic (NMHC), Digital Primary Healthcare Centre (PHC), and NATCO Occupational Healthcare Centre. The comprehensive and robust design of the healthcare program took shape in 1995 with the Occupational Healthcare Centre, which initially served NATCO Pharma employees and neighboring villages and continues to do so today. The program's agility has been evident since its inception, having expanded to include the mobile clinic and the digital PHC. Another notable accomplishment of this initiative is its integration with other NATCO Trust programs, such as health screenings within the 'Support to Government Schools & Anganwadi' initiative and for Antenatal and Postnatal mothers as part of the 'Nutrition Centre' program.

The primary objective of improving the primary healthcare needs of the community is evident, as the program has made healthcare accessible and affordable for individuals in rural areas, where government health infrastructure is distant. Implemented in the districts of Rangareddy and Nalgonda in Telangana, the program ensures that all community members have access to the affordable and quality healthcare they require.

Assessment in each district reveals that the program has been successful in attracting community members from its inception. The efforts to inform communities about the Mobile Health Clinic have proven crucial. Awareness outreach through speakers and door-to-door visits by NATCO field coordinators has effectively reached the communities. Among community members, 57% first learned about NMHC through field coordinators, while the remaining 43% learned through word of mouth.

While NMHC covers both districts, the Digital PHC is only present in the Rangareddy district, offering accessible pathology tests such as blood sugar tests at no cost. Given the absence of similar services in Nalgonda district, the intervention administers blood sugar tests using Accu-Chek for a nominal fee of INR 30 to maintain the quality of life for people with diabetes. Emphasis is also placed on blood routine tests for Antenatal and Postnatal mothers to monitor and identify anemic cases, serving as a preventive measure.

The intervention experiences a daily footfall of 60–70 patients in Nalgonda district and 20–30 in Rangareddy. It has enabled community members to obtain medicines costing ₹200– ₹500 for free. Additionally, NMHCs are aiding pregnant, lactating women, and the elderly in accessing healthcare facilities. Beneficiary interactions reveal high satisfaction levels, with 78% rating the quality of NMHC in addressing healthcare needs as 'excellent'.

This initiative not only brings accessible and affordable healthcare services but also mitigates dependency and waiting times for vulnerable groups such as senior citizens and pregnant women. The fact that it covers 18–20 plus villages is a commendable achievement. Being one of the older initiatives of NATCO Trust, its success suggests the potential for replication in other underserved areas with inadequate primary healthcare services.

As NATCO Trust moves forward, it's important to design a sustainable exit strategy, particularly for areas where the program has been successful.

Introduction

The program is in alignment with the following Sustainable Development Goals (SDGs) outlined in the United Nations Agenda 2030.



By 2030, ensure that all men and women, in particular the poor and the vulnerable, have equal rights to economic resources, as well as access to basic services, ownership and control over land and other forms of property, inheritance, natural resources, appropriate new technology and financial services, including microfinance



By 2030, reduce global maternal mortality ratio and prevent deaths of newborns & children below 5 years of age. Good health is essential to sustainable development. Ensure healthy lives and promote well-being for all ages.



By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status

The 'NATCO Mobile Health Clinic' program commenced in October 2008, targeting underserved villages near Nagarjuna Sagar, Nalgonda district. It expanded to Kothur, Rangareddy district in August 2012. The program's core objective is to provide quality primary healthcare services in communities lacking well-equipped healthcare infrastructure. This initiative enhances healthcare accessibility, addressing the challenge posed by distant government PHCs.

An additional facet introduced in 2018 is the 'NATCO Digital Primary Health Care Centre' in Mekaguda village, Nandigama Mandal, Rangareddy district. This center offers health diagnostic testing, enhancing testing accessibility for the community. Furthermore, the 'NATCO Occupational Healthcare Centre,' located in Mekaguda village, caters to NATCO employees and neighboring communities, fulfilling primary healthcare requirements.

The initiative is linked to NATCO Trust's other initiative as shown below:



The focus of the assessment is to analyze the quality of treatment received by the beneficiaries hailing from underserved communities and how the presence of the program has contributed in their overall development.

The beneficiary interactions were carried out in Nalgonda & Rangareddy districts. Key Informant Interviews (KIIs) were conducted with the medical staff of Mobile Health Clinic.

Scope of study

OBJECTIVES

Assess the relevance and efficiency of the intervention and review the implementation pathways

Find the areas of improvement across all the factors from program design to implementation

Understand the effectiveness of the intervention

Understand the major success factors and challenges in the intervention.

Provide an assessment framework to be able to capture impacts in a manner that is an effective recommendation.

LIMITATIONS

- No limitations registered.

Methodology

Three Point Assessment Framework



Program Design

We study program design through program strategies, inputs and resources, assumptions, outreach mechanisms, and much more. Give's Impact Assessment approach for program design is based on assessment criteria such as Relevance and Preparedness using methodologies such as need assessment of baseline survey.



Program Delivery

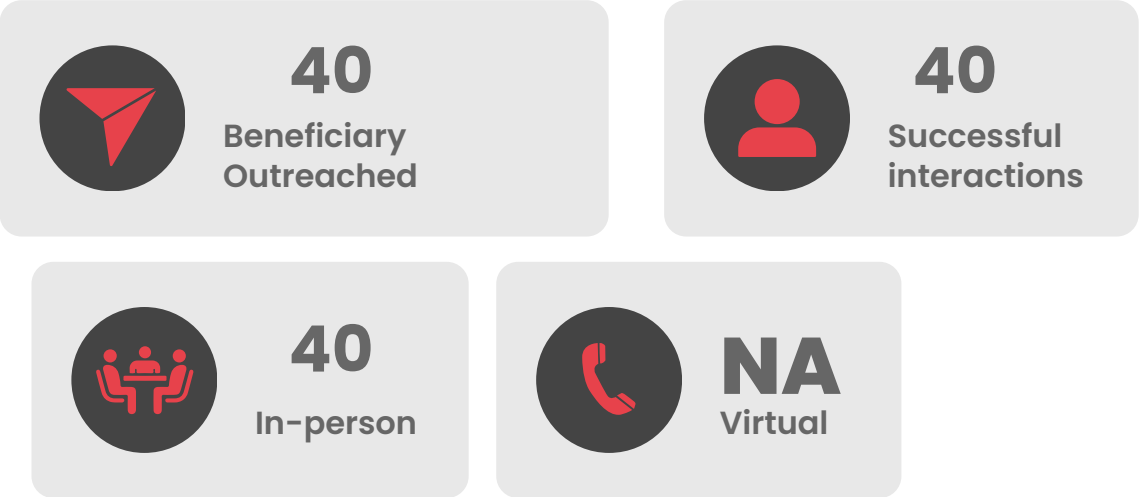
Give assesses the program delivery to understand the success of the program delivery mechanism in attaining the overall objectives such as cost effectiveness, resource efficiency, equity in service delivery, best practices and challenges, perception about the services among the relevant stakeholders, among other actors.



Impact and Sustainability

The program's impact potential was assessed to ascertain whether a change or the desired outcome can be attributed to the program intervention. Give uses criteria such as scale and sustainability of impact to understand the change and potential of sustaining the change inter alia.

Sampling Strategy



Key Informant Interviews



Beneficiaries: 37

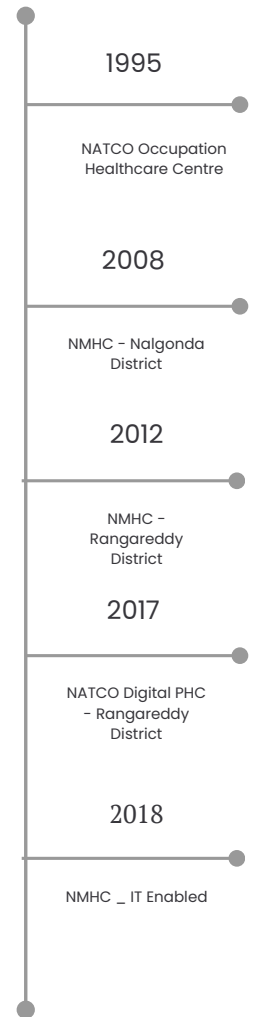


Findings

The NATCO Mobile Healthcare Clinic, NATCO Digital PHC and NATCO Occupational Centre have effectively democratized healthcare, ensuring affordability and accessibility for community members in remote regions. This accomplishment is underscored by the program's journey since 1995, reflecting an iterative and agile design that aligns with the community's critical needs. The program's persistent commitment to providing accessible primary healthcare services is evident in its continued endeavors.

Overview of Patients' profile: The table below provides insights into the patients' profiles gathered during interactions.

Age Group	Occupation	Income level	Daily footfall	Frequency of visiting NMHC
23- 70 years	Farmers Daily wage earner	3k-12.5k/m	Nagarjuna Sagar: 60-70 Rangareddy: 20-30	Once a week



Relevance

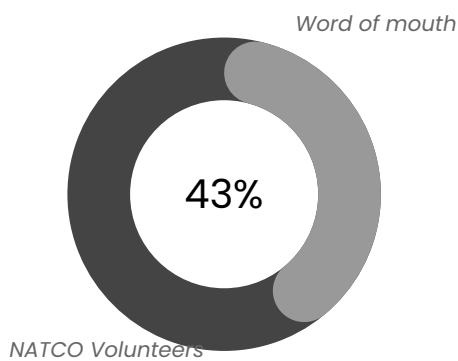


Fig 1: knowledge about NATCO Mobile Health Clinic

53% of communities learnt about the presence of NATCO Mobile Health Clinics (NMHC) through NATCO field co-ordinators whereas 43% got to know through word of mouth.

This highlights the proactive involvement of NATCO Trust field coordinators in conveying the importance of quality healthcare services and fostering awareness among community members to access such provisions. The evident value of these services to the community has led to their positive word-of-mouth endorsements.

Rangareddy District	20km
Nalgonda District	18-20km

Distance of nearest health facility from Villages

NATCO Mobile Health Clinics has improved the healthcare accessibility of the beneficiaries by bringing the healthcare services directly to the communities' doorstep.

The success of the Clinics in both districts in improving healthcare accessibility is an indication to program's objective to enhance the well-being of the communities. It has eliminated the beneficiaries' out-of-pocket expenses to travel long distances to avail health facility, reduced the time to reach the nearest PHCs and avail timely healthcare services.

The roster plan devised for NMHC's daily visits is structured around village households. NMHC covers two villages per day when facing over 150 households in each; otherwise, three villages are covered daily. Typically, the NMHC parks in a village for an average of three hours.

Starting from the 2018-2019 financial year, NMHC has become IT-enabled, streamlining digital documentation of every patient record. This development signifies a leap towards efficient data management and accessibility. Before this enhancement, NMHC used to create family health cards for recording health information. It can be stated that the documentation initiative significantly contributes to enhancing community health by enabling better data analysis and informed decision-making.

Daily footfall

Average 30-50 people in Nagarjun Sagar .
Average 10 - 30 people in Kothur .



NATCO Family Health Card

Patient Testimonial:

It is incredibly helpful for my village because if we need to access healthcare, we have to sacrifice a day of work and the corresponding wage amount, resulting in a complete day's waste. We are extremely pleased with the work that the NATCO Mobile Health Clinic is carrying out in our village.

Tirupathi Amma, 55 years, Farmer Nagarjunsagar

Presence


Community Healthcare Services	Locations	Reach	Target Population
NATCO Mobile Health Clinic	Nalgonda District, Rangareddy District	22 Villages – Nalgonda District 18 Villages – Rangareddy District	Community Members including school children and antenatal and postnatal mothers
Digital PHC	Mekaguda Village, Rangareddy District	20-30 Villages	Community Members including school children and antenatal and postnatal mothers
Occupational Healthcare Centre	Mekaguda Village, Rangareddy District	5-10 Villages	NATCO Pharma Employees and Neighbouring Community Members

Diagnostic Services

In Mekaguda village, Nadigama Mandal, a Digital Primary Health Center (PHC) is in place, providing pathology tests. However, this service is not yet accessible in Nagarjuna Sagar, Nalgonda district. As a result, the program's implementation strategy is outlined as follows:

- Accu-chek machine procured in Nagarjuna Sagar for the program team to monitor the blood level of diabetic members. Charge: INR 30
- Lab technician visits villages in Mekaguda as part of the digital PHC to carry out blood routine tests free of charge.

This approach has proven to be immensely advantageous in establishing a consistent schedule for blood testing among community members with diabetes, as well as for Antenatal Care (ANC) and Postnatal Care (PNC), facilitating the identification of cases of anemia. (This initiative is closely connected with NATCO Trust's nutrition center program.)

 **65%** Residents from both districts have reported that blood screenings are being conducted through this initiative to evaluate diabetes levels, alongside the consistent identification of hypertension as another prevalent issue.

Furthermore, as a result of regular health examinations, instances requiring more intensive care have come to light. For instance, a patient in need of advanced kidney treatment, possibly including dialysis, is being offered assistance by facilitating their referral to the Hyderabad Government Hospital.



Overall beneficiary satisfaction

The graph below represents high level of overall satisfaction among beneficiaries with the frequency of NATCO Mobile Health Clinic's (NMHC) visit in their community and the healthcare access provided by NMHC. This suggests that mobile health clinic is likely meeting the healthcare needs of the community members effectively and is fulfilling its objective to provide primary healthcare services and support to the community members.

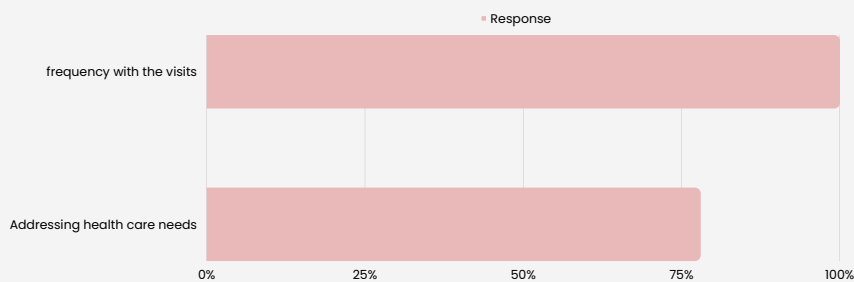


Fig 2: Beneficiaries' satisfaction with NMHC



Fig 3 Medicines from NMHC

Free of cost medicines

NMHC provides medicines free of cost to the beneficiaries which would have cost them ₹200-500 a month if the intervention had not been in place.

In addition, it was found that all three community healthcare services i.e., NMHC, NATCO Digital PHC and NATCO Occupational Healthcare centre ensures free of cost medicines to the respective target communities it serves.

PRI Leader Testimonial:

NMHC has been carrying out their intervention for 8 years. We didn't have any other option other than going to Nagarjuna Sagar Government Hospital, which is very far from the village – nearly 25 km away. Before Natco Mobile Health Clinic, we didn't even have proper transport facilities. The mobile health clinic is doing an excellent job in these villages by rendering services every week, which is saving many lives and a significant amount of money for all the villagers.

R C Janardhan Reddy, Nellikal Village, Nalgonda

Reduction in out-of-pocket expense

It is noteworthy that the program has effectively reduced out-of-pocket expenses for beneficiaries accessing healthcare services in the community. When accounting for various costs, such as:

- Travel Charges: None (due to services being provided within the community)
- Primary Tests: Available at a nominal fee of INR 30 (Nalgonda District) or free of charge (Rangareddy District)
- Medication Costs: None (compared to INR 200-500 per month if obtained from a pharmacy)

Considering just the diabetes tests that need periodic monitoring, private clinics typically charge INR 50 to INR 150. Adding medication expenses, an individual's annual healthcare spending would exceed INR 10,000. Moreover, if other health complications remain undiagnosed and untreated, the costs could rise even higher.

Given that the average income of the target communities falls within the range of approximately INR 3,000 to INR 12,000, affording necessary healthcare becomes an immense challenge. This initiative has significantly alleviated this challenge. Additionally, the robust digital documentation processes implemented as part of the program contribute to more effective treatment. Each individual's health history is recorded, further enhancing the quality of care.

Other Benefits of the Mobile Health Clinic

- Women and elderly individuals can easily access healthcare services here, reducing dependency and wait times for vulnerable groups.
- The robust program structure enables the extension of services to support initiatives such as monitoring and identifying anemic cases in ante-natal and prenatal women and school children. This expansion aligns with NATCO Trust's flagship program, the 'Nutrition Centre' and 'Support to Government Schools'
- In instances of serious health issues, beneficiaries are referred to a Government Hospital in Hyderabad for treatment and receive regular follow-up on their health status.

Challenges faced by healthcare professionals MHC

- Community members are unable to effectively communicate their health problems or symptoms, therefore it becomes challenging for healthcare professionals to diagnose accurately and provide appropriate care.
- Absence of prior reports or health check-ups makes treatment challenging: Patients often do not maintain their earlier medical history.

SWOT Analysis

Strengths

- Affordable & accessible healthcare services for communities residing in rural areas.
- Significant reduction in out-of-pocket expenses.
- The program design enables interlinking with other NATCO Trust's flagship program for govt. schools/ Anganwadi and for ANC/ PNC.
- Shift in behaviour change of locals in seeking timely medical help as a result of the intervention.

Weaknesses

No apparent weaknesses found.

Opportunities

- The successful model has the potential to be replicated in remote areas of Telangana and Andhra Pradesh where healthcare services are poor.

Threats

- No perceived threats

Recommendation

Program Delivery

- Basic immunization and vaccination services should be introduced in areas where government infrastructure is poor or farthest.
- There is a need to educate the community about documenting their medical records for more effective and efficient treatment processes - creating awareness campaigns.

Expansion

- Increase the fleet size of NMHC in order to make healthcare even more accessible, especially in case of medical emergencies.
- It is advisable to refocus efforts on interior regions that require intervention, in addition to the areas they have been serving since 2008. This approach will enhance the effectiveness and reach of their initiatives, leading to better outcomes for underserved populations.
- To introduce Digital PHCs in other NATCO Trust's locations