

NATIONAL HEALTH INSURANCE AUTHORITY



NATIONAL HEALTH INSURANCE FUND ALLOCATION FORMULA 2022

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NATIONAL HEALTH INSURANCE FUND **ALLOCATION FORMULA-2022**

1.0 INTRODUCTION

The Government of Ghana through the Ghana Poverty Reduction Strategy (GPRS) has outlined its policy strategy of dealing with poverty in Ghana. A major component of the GPRS is the strategy to deliver accessible and affordable health care to all residents in Ghana especially the poor and vulnerable.

To achieve the object of this strategy, the Government introduced a district-wide mutual health insurance scheme, now unified into a National Health Insurance Scheme, to enable residents in Ghana to have access to basic healthcare services without having to pay cash at the point of service.

One major underlying principle of the National Health Insurance Scheme is equity, and it is in line with the Health Sector's desired objective of bridging the equity gap in the health status across regions in the country. In particular, it seeks to provide protection for the poor, which is achieved by ensuring risk pooling and cross subsidization.

The National Health Insurance Authority (NHIA) was first established by the National Health Insurance Act, 2003 (Act 650). In 2012, the Act was repealed and replaced by a new law (Act 852). The object of the Authority under Act 852 is to attain universal health insurance coverage in relation to persons resident in Ghana, and non-residents visiting Ghana, and to provide access to healthcare services to persons covered by the Scheme.

Section 39 of Act 852 established the National Health Insurance Fund (NHIF) and the object of the Fund is to pay for the health care services for members of the National Health Insurance Schemes (NHIS).

For the purpose of implementing the object of the Fund, section 40 (2) of Act 852 stipulates that the monies from the Fund shall be expended as follows:

- to pay for the healthcare costs of members of the National Health Insurance Scheme;
- to pay for approved administrative expenses in relation to the running of the National Health Insurance Scheme;
- to facilitate the provision of or access to healthcare services; and
- to invest in any other facilitating programmes to promote access to health services as may be determined by the Minister in consultation with the Board.

The sources of money to the NHIF are provided under section 41 of the Act as follows:

- the National Health Insurance Levy (NHIL);

- 2.5 percentage points of each person's contribution to the Basic National Social Security Scheme;
- such moneys that may be approved for the Fund by Parliament;
- moneys that accrues to the Fund from investments made by the Authority;
- grants, donations, gifts, and any other voluntary contribution made to the Fund;
- fees charged by the Authority in the performance of its functions;
- contributions made by members of the Scheme; and
- moneys accruing from the National Insurance Commission under section 198 of the Insurance Act 2006 (Act 724).

2.0 MAJOR PLANNED ACTIVITIES FOR 2022

The strategic intent of the Authority as captured in the Medium Term-Strategic Plan, 2022-2025 is to consolidate the position of the NHIS as preferred financing mechanism for reducing financial barriers to health care in Ghana, through a social health insurance scheme. The strategic objectives of the Authority as outlined in the said medium-term plan are stated below:

- 1. Improve the membership benefit package informed by actuarial projections and sustainable financing**
- 2. Enhance operations of the scheme**
- 3. Fuse a viable, preventive insurance model into the current curative model**
- 4. Increase participation of private health insurance schemes**
- 5. Ensure human resource development and harmonization**

Section 3 of the National Health Insurance Act 2012, (Act 852) enjoins the Authority to undertake programs that further the sustainability of the National Health Insurance Scheme, and also ensures the efficiency and quality of services under the national and private health insurance schemes. In this regard, the National Health Insurance Authority has earmarked the following major plans for the year 2022. These proposed plans are key variables in the determination of the allocation formula and planned expenditure for 2022. Key programs and activities planned for 2022 towards achieving the stated objectives are stated below:

Improve the membership benefit package informed by actuarial projections and sustainable financing

1. Develop level-specific list of medicines and tariff for facilities to reflect Ministry of Health policies and guidelines.
2. Conduct monitoring of the implemented Service tariff, Medicines List, Family Planning scale-up, and childhood cancer protocols to validate adherence to protocols and solicit feedback to strengthen Stakeholder relations.
3. Sensitize members of the Scheme on the benefit package and their rights and responsibilities under the Scheme

4. Complete the nationwide mapping of health facilities to inform credentialing of facilities in underserved/deprived areas.
5. Lobby Parliament and Government to reconsider its capping policy on statutory funds which includes the National Health Insurance Levy (NHIL).
6. Continue to improve on the financial management system for efficiency and effectiveness in financial reporting and to deploy the GIFMIS application to the, Regional and District Offices and Claims Processing Centers of the Authority.
7. Continue to explore new investment avenues to enhance the financial sustainability of the Scheme and to increase the investment cover of the scheme.

Enhance operations of the scheme

8. Intensify registration drive to increase active membership coverage of the scheme from approximately 54.0% of the population (30,792,608) in 2021 to 57% of the projected 2022 population of 31,436,174 million. The active membership in 2022 is therefore estimated at **17,918,619**.
9. Collaborate with Ministry of Gender, Children and Social Protection (MoGCSP), for the use of the Ghana National Household Registry (GNHR) to facilitate the registration of the poor onto the NHIS
10. Improve claims management processes with emphasis on e-claims and paperless systems at all four Claims Processing Centres and integrate claims processing and payments system with the Ghana Integrated Financial Management Information System (GIFMIS).
11. The Authority intends to intensify claims verifications and clinical audit of provider claims. In 2022, we plan to audit a cross section of all the credentialed facilities (600 facilities), with the assistance of external resource persons. The value of medical claims to be audited is estimated at **GH¢ 1,024,680,000**, constituting about 61.0% of the value of the budgeted claims amount for 2022.
12. Develop a Mobile Application solution to run on all platforms. Among other things, the application allows NHIS members to link their NHIS to the Ghana Card, perform new and renewal registration, using either the NHIS Card or Ghana Card, check medicines list available on the NHIS.
13. Develop a customized software to prompt registered members on the expiration of their NHIS Card.
14. Collaborate with NIA for data transfer to the Authority to facilitate the linkage of NHIS and Ghana Cards.
15. Increase the volume of processed claims via Claim-IT from 35% to 90%. That is, Scale Up Claim-IT training and submissions to 4,500 Providers.

16. Analyze and report on service and medicines utilization data using NHIA electronic-data platforms (Claim-IT)
17. Assess trends in lifestyle diseases in selected facilities using Electronic Claims database and explore utilization trends in herbal and orthodox medicine in selected facilities.
18. Implement a standardized and digitized records management system across the Authority to enable easy referencing and accessing of records.
19. Collaborate with other government agencies to link NHIS membership to the provision of some critical services i.e. passport, school admissions, driver's license, Banks and also target the enrolment of formal sector workers unto the scheme.
20. Provide administrative and logistical support to enhance operations of the scheme and Set up a new and robust data center to facilitate digitalization of Scheme's operations.
21. Improve financial audit by constantly appraising and reporting on the soundness and application of system of internal controls.
22. Improve operational audit by providing assurance on the efficiency, effectiveness, and economy in the administration of programmes and projects.

Fuse a viable, preventive insurance model into the current curative model

23. Collaborate with the Ghana Health Service (GHS) and other provider groups to scale up health promotion and education and include medical screening in the membership benefits package for clearly defined basic health conditions
24. Set up a Health Communication Unit at the Head Office and Regional Offices to promote health and wellness; and empower members to be more responsible for their own health
25. Collaborate with the network of health care providers to create wellness clinics at strategic places within their catchment areas

Increase participation of private health insurance schemes

26. Engage with Management of PHIS on strategies to expand the private health insurance market, and design a robust Supervision Department Reporting Platform to enhance off-site monitoring of PHISs
27. Intensify public education on private health insurance in order to project the Authority's role as regulator of the industry.

Human resource development and harmonization

28. Implement the newly approved organizational structure effectively and build staff capacity through Continuous Professional Development (CPD) and on the job training.
29. Implement task-shifting, re-training and re-deployment of staff to improve efficiency.
30. Design a comprehensive welfare package, including additional medical support for staff and dependents, auto, housing and personal loans for staff.

3.0 Some Major Activities and Achievements

The NHIA has initiated a number of efficiency gains strategies in the last five years to help address the rising trend in cost of claims and administration, some of which have stated as follows;

The NHIS Mobile Renewal: the NHIA successfully launched the mobile renewal in December 19, 2018. The solution allows members to renew their membership from the comfort of their homes, using mobile phone technology. Within a year of the launch, about **5.3 million** persons across the country used the electronic platform to renew their NHIA membership.

In the year 2021, **mobile renewal** constituted approximately 70.4% of total renewals across the country. The mobile renewal application has no doubt resulted in an increased membership renewal rate of the scheme.

CLAIM-it claims application: CLAIM-it is a 5-module claims management application comprising a **claims entry module, submission system, receiving (aggregation) system, a claims adjudication module and Regional and District Health Director reporting module.**

All CHAG facilities are currently using it. The Claim-it application is an NHIS owned application that allows facilities without their own electronic systems to submit claims. This works offline.

Electronic Claims Management: 35% of the NHIA's claims are now electronic allowing better analysis to identify cost drivers and the disease burden. This information will enable the NHIS to collaborate with its stakeholders to improve health care in Ghana. We are working with a few Hospital Management Systems that are certified including the Government's flagship E-health project that links the major hospitals allowing for easy transfer of patient electronic medical records and continuity of care. The e-health project has a disease surveillance component which alerts the Public Health Units of impending epidemics.

Mobile Claims Check Code: The Mobile Claims check code has been implemented and serve as an alternate authentication option for healthcare Providers. It is used to verify the status of a member before services are provided. This option is crucial in circumstances where members are admitted in conditions which make it impossible to use the biometric machines to authenticate their active membership status.

4.0 ANALYTICAL REVIEW OF 2021 FINANCIAL PERFORMANCE & POSITIONS

4.1 A STATEMENT OF RECEIPTS & PAYMENTS AS AT DECEMBER 31, 2021

Total amount of **GH¢ 1,393.14 million** was received from MOFEP for the year ending December 31, 2021. Other receipts during the period amounted to **GH¢ 191.40 million**, giving total receipts of **GH¢ 1,584.54 million** for the period. However, the Authority had cash and bank balance of **GH¢ 420.64 million** as at January 1 2021, giving a total Cash and Bank Available of **GH¢ 2,005.18 million**. Total payments for the 12 months ending December 31, 2021 was **GH¢ 1,735.67 million**. Excess receipts over payments as at the period ending December 31, 2021 was **GH¢ 269.51 million**.

TABLE 4.1.1 RECEIPTS & PAYMENTS – 2021

	GH¢ million	GH¢ million
Cash and Bank Balance as at Jan. 1st, 2021		420.64
RECEIPTS		
NHIL & SSNIT Contribution) Releases for 2021	1,393.14	
Premium and Processing Fees	144.67	
Cash Receipt (Interest) on Call Investments	39.89	
Donor Receipt	3.91	
Road Accident Fund	0.28	
Other Income	2.65	
		1,584.54
Total Cash and Bank Available		2,005.18
PAYMENTS		
Claims Paid	1,035.78	
Support to MOH & Partner Institutions	213.45	
Support to District Health Project & M & E	35.54	
Admin. Support to District Offices	29.19	
Authority Operations	245.79	
Management Information System	60.26	
Biometric ID Cards & Authentication	46.08	
Purchase of Investment	10.00	
Archival Services & Digitization	3.15	
Call Center	0.04	
Office Building & other Assets	16.13	
Claims Data Capturing	29.11	
Publicity & Communication	6.23	
Corporate Social Responsibility	4.92	
Total Payments		1,735.67
Cash and cash equivalents as at December 31, 2021		269.51
Note: Other Income includes Accreditation fees, Navis ID Card Authentication proceeds Road Accident Fund and Sale of Tender Document		

4.2 REVIEW OF 2021 BUDGET ALLOCATION & PERFORMANCE

On accrual basis, total actual expenditure for the year ending December 2021 was **GH¢1,893.18 million**, against an annual budget of **GH¢2,666.92 million**, resulting in a positive budget variance of **GH¢ 764.32 million**. This represents a budget execution rate of **71%** for the same period.

Table 4.2.1: 2021 BUDGET ALLOCATIONS & PERFORMANCE

Details	Annual Budget	Actual	Variance	Execution Rate
	¢'m	¢'m	¢'m	%
Claims	1,488.26	1,156.68	331.58	78%
NHIA Operational Cost	365.63	299.09	66.54	82%
Support to District Offices	45.89	39.67	6.22	86%
Support to MOH	266.48	186.41	80.07	70%
Support for MPs District Health Projects	37.26	35.54	1.72	95%
Claims Processing Centers	40	0	40.00	0%
Biometric ID Cards & Authentication System	89.5	53.02	36.48	59%
Support for NHIS Related Research	0.3	0.06	0.24	20%
Archival System & Document Management	16.92	2.90	14.02	17%
Call Center	1.19	0.04	1.15	3%
Office Building	25.2	7.57	17.63	30%
Management Information System	205.33	72.06	133.27	35%
Sensitization, Publicity & Marketing	6.6	6.12	0.48	93%
Claims Data Capturing	42	29.11	12.89	69%
NHIS Restructuring	8.09	0	8.09	0%
Corporate Social Responsibility	20	4.91	15.09	25%
Contingency	8.27	0	8.27	0%
Total	2,666.92	1,893.18	773.74	71%

NB: 1. Expenditure is reported based on actual liability incurred and accrued for the period January – December 2021.

2. Total claims incurred in 2021 amounted to **GHS 1,156.68 million**, out of which **GH¢469.34 million** had been paid as at 31st December, 2021.

4.3 COMPARATIVE ANALYSIS OF NHIL/SSNIT COLLECTIONS & RECEIPT

The Authority's budget for NHIL/SSNIT for 2021 was **GH¢ 1,903.91** million, as derived from Government of Ghana budget statements. However NHIL/SSNIT collections for the year ending December 31, 2021 was **GH¢ 2,056.06 million**. Of the total collections, a total of **GH¢ 127.47 million** had been received by the Authority as at December 31, 2021. It should however be noted that total funds received in 2021 from Government amounted to **GH¢ 1,393.17 million** out of which **GH¢ 127.47 million** relates to the year 2021.

Table 4.3.1
Annual Budget against Reported Collections (NHIL & SSNIT)- 2021

Year	Budgeted Collection GH¢'m	Reported Collections GH¢'m	Difference GH¢'m	Difference %
2019	1,692.68	1,262.92	-429.76	-25.39%
2020	2,191.62	2,337.28	145.66	6.65%
2021	1,903.91	2,056.06	152.15	7.99%

Table 4.3.2
Reported Collection (NHIL & SSNIT) Against Actual Releases from MOFEP

Year	Reported Collections GH¢'m	Releases GH¢'m	Difference GH¢'m	Difference %
2019	1,262.92	721.09	-541.83	-42.90%
2020	2,337.28	790.29	-1,546.99	-66.19%
2021	2,056.06	127.47	-1,928.59	-93.80%

Table 4.3.3
Annual Budget Against Actual Releases for the Year

Year	Budgeted Collection GH¢'m	Releases GH¢'m	Difference GH¢'m	Difference %
2019	1,692.68	721.09	-971.59	-57.40%
2020	2,191.62	790.29	-1,401.33	-63.94%
2021	1,903.91	127.47	-1,776.44	-93.3%

Table 4.3.4

Annual Budget Against Actual Cash Received in the Year

Year	Budgeted Collection GH¢'m	Releases GH¢'m	Difference GH¢'m	Difference %
2019	1,692.68	1,316.89	-375.79	-22.20%
2020	2,191.62	2,303.98	112.36	5.13%
2021	1,903.91	1,393.14	-510.77	-26.83%

4.4 COMPARATIVE ANALYSIS OF OTHER REVENUE

	Budget 2021 GH¢ million	Actual 2021 GH¢' million	% Execution
Premium & Processing Fees	197.06	144.65	73%
Interest Earned	6.18	11.13	180%
Road Accident Fund	0.51	0.28	55%
Other Income	1.81	2.27	125%
Total	205.56	158.33	77%

4.5 REVIEW OF INVESTMENT PERFORMANCE & POSITION AS AT DECEMBER 31, 2021.

The Authority's Investments are in fixed deposits with financial institutions, mostly banks. The value of the Investment as at January 1, 2021 was **GH¢79.59 million**. The investment portfolio earned a total interest of **GH¢11.13 million** for the year 2021. The balance as at December 31, 2021, stood at **GH¢ 100.72 million**. The increase in the investment balance was largely due to additional investments of **GH¢ 10 million**.

Investment cover for claims has been declining since the year 2009. Currently, the Fund's investment balance provides a cover for less than a month's claims indebtedness (**About GH¢ 130 million**). This situation poses serious threat to the sustainability of the Scheme.

SUMMARY OF INVESTMENT POSITION AS AT DECEMBER 31, 2021 (GH¢' million)

Period	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total
Opening Balance	79.59	92.25	95.15	97.76	79.59
Investments	10.00	0.00	0.00	0.00	10.00
Disinvestments	0.00	0.00	0.00	0.00	0.00
Interest Income	2.66	2.90	2.61	2.96	11.13
Closing Balance	92.25	95.15	97.76	100.72	100.72

NB: Interest Income refers to interest on Fixed Deposit Investment

5.0 GENERAL PROJECTIONS UNDERLYING THE NHIF ALLOCATION FOR 2022

The following revenue projections underline the NHIF Allocation & Budget Allocation for 2022.

5.1 BUDGETED RECEIPTS

The Authority expects to receive a total amount of **GH¢2,919.67 million** in 2022 from NHIL/SSNIT Contribution and others to be able to execute its mandate in 2022. The composition is as follows:

- **NHIL and SSNIT Contribution**
On the basis of MOF Budget Statement for 2022, the National Health Insurance Fund expects to realize a total amount of **GH¢2,694.09 million** from NHIL and SSNIT Contribution.
- **Premium from Informal Sector**
The Premium from informal sector is budgeted at **GH¢117.51 million**. This represents an average premium of **GH¢18.00** approximately per member for projected membership of **6,528,055**, expected to register and renew within the year 2022 from the informal sector.
- **Processing Fees**
Processing fees from both the formal and informal sector is budgeted at **GH¢85.36 million**. This represents an average fees of **GH¢5.90** approximately per member for a projected membership of **14,474,683** from both sectors in 2022. The projected membership excludes the pregnant women and indigent categories.
- **Commission – Mobile Renewal:**
A commission (convenience fees) of **GH¢1.00** is charged for using the NHIA electronic platform for membership renewal (mobile renewal). In the year 2021, **7.220 million** persons used the said platform to renew membership, representing 43% of the 2021 active membership (**16,759,158**). We anticipate that a minimum of 45% (**8,063,379**) of the projected active membership of 2022 (**17,918,619**), will use the service in 2022 and this is expected to raise a revenue of **GH¢8.06 million**.
- **Interest Income from Investment**
The Authority expects to earn total interest income of **GH¢ 12.36 million**. This is based on expected portfolio size of **GH¢ 86.00 million** at projected return of 14.37% p.a.
- **Road Accident Fund (NIC)**
We expect to receive **GH¢0.29 million** from the National Insurance Commission to cushion the NHIA against claims costs, arising from emergency cases involving road accident patients.

- **Other Income**

The Authority expects to earn **GH¢2.00 million** from provider credentialing fees (**GH¢1.17 million**), sale of tender documents (**GH¢0.01 million**), NAVIS Application fees (**GH¢0.45 million**), Donations (**GH¢ 0.37 million**).

The following table summarizes the revenue sources as against total expenditure (NHIS Allocation) for the fiscal year 2022:

NHIF- ALLOCATION FORMULA - 2022		
Sources of Revenue	Amount Gh¢ million	%
NHIL & SSNIT Contribution	2,694.09	92.27
Premium (Informal)	117.51	4.02
Processing Fees	85.36	2.92
Commission - Mobile Renewal	8.06	0.28
Income on Investment	12.36	0.42
Road Accident Fund	0.29	0.01
Other Income	2.00	0.07
Total NHIS Funding Amount	2,919.67	100.00
Total NHIS Expenditure	2,919.67	

5.2 REGISTRATION COVERAGE

The population of Ghana in 2021 was estimated at **30.792 million**; but in 2022, it is projected to be **31.436 million**. Current registration figures for the period ending **December 31, 2021**, indicates an active membership of **16.759 million**, constituting approximately 54.0% of the projected population of 2021.

The Authority plans to intensify efforts through membership drive and policy reforms to encourage enrolment and renewal of membership. We therefore project that **57%** of the projected population or **17.918 million** will constitute active membership of the NHIS in 2022. This represents about **6.92%** increase over the active membership of 2021.

The proposed allocation of the Fund is therefore based on expected active membership of **17,918,619** in 2022.

Table 5.2.1 Registration Coverage Distribution by Category

Category	2021	2022		
	Active Membership	Population est.	Target Membership	Target Rate
Informal	6,105,644	12,004,558	6,528,055	54%
SSNIT Contributors	609,936	1,285,757	652,134	51%
SSNIT Pensioners	96,203	188,924	102,859	54%
Indigents	1,546,062	1,728,144	1,653,024	96%
Children (Under 18)	6,967,561	14,346,994	7,449,602	52%
Aged (70 yrs +)	695,339	921,894	743,445	81%
Pregnant Women	738,414	959,902	789,500	82%
	16,759,158	31,436,174	17,918,619	57%

Table 5.2.2 Registration Coverage Distribution by Regions

	Region	2021			2022 (projected)		
		Population	Active Members	%Rate	Population	Target Rate%	Active Members
1	Ashanti	5,432,485	2,941,228	54	5,546,024	57	3,144,713
2	Ahafo	564,536	410,535	73	576,335	76	438,937
3	Bono	1,208,965	973,246	81	1,234,232	84	1,040,579
4	Bono East	1,203,306	823,789	68	1,228,455	72	880,782
5	Central	2,859,821	1,265,451	44	2,919,591	46	1,353,000
6	Eastern	2,917,039	1,849,594	63	2,978,005	66	1,977,556
7	Gt. Accra	5,446,237	2,330,196	43	5,560,063	45	2,491,407
8	Northern	2,310,943	940,882	41	2,359,242	43	1,005,976
9	North East	658,903	355,697	54	672,674	57	380,305
10	Oti	747,227	278,765	37	762,844	39	298,051
11	Savannah	649,627	329,445	51	663,204	53	352,237
12	Upper East	1,301,221	955,010	73	1,328,417	77	1,021,081
13	Upper West	904,695	718,412	79	923,603	83	768,114
14	Western	2,213,464	983,730	49	2,258,953	46	1,047,387
15	Western North	2,057,225	999,137	49	2,100,221	51	1,068,261
16	Volta	1,649,523	1,082,128	66	1,683,998	69	1,156,994
	TOTAL	30,792,608	16,759,158	54	31,436,174	57	17,918,619

Target rate is based on trend analysis of growth in previous years

5.3 AVERAGE PREMIUM PER HEAD

The national average premium rate per member (informal sector) in 2021 was **GH¢18.00**.

We do not anticipate any increase in premium rates in 2022. Therefore, the national average premium rate per member is expected to remain at **GH¢18.00**.

5.4 AVERAGE ENCOUNTER PER MEMBER PER YEAR

The average encounter per member in 2021 was estimated at 2.75. In 2022, we expect that the average encounter rate for membership will remain the same at 2.75.

5.5 AVERAGE CLAIM PER MEMBER

The average claims cost per active member in 2021 was **GH¢69.02**. In 2022, it is projected to increase to about **GH¢89.84** per member (**30.17% increase**). The projected increment is informed by anticipated tariff increment of 31% and provisions for additional costs as a result of the inclusion in the benefit package, four childhood cancers, hydroxyurea for managing sickle cell disease, and nationwide rollout of family planning.

6.0 ALLOCATION FORMULA

Section 42 (1) of Act 852 stipulates that the Authority shall allocate and disburse moneys from the Fund in order to achieve the object of the Fund. The Authority shall in the preparation of the formula and disbursement of moneys from the Fund ensure the sustainability of the Scheme.

7.0 DETERMINATION OF ALLOCATION OF FUNDS

Based on the objectives of the fund, the following criteria for the allocation of the fund as described by Act 852 shall be applied;

7.1 SUBSIDY FOR PREMIUM FOR THE EXEMPT GROUP

For the purpose of implementing the object of the Fund, section 29 of Act 852 stipulates the setting aside of some monies from the fund to provide for health care for the indigents, and by extension, the exempt group.

The law (Act 852) exempts the following groups from paying premium and thereby enjoins the Authority to make payment of the premium on behalf of the exempt group

to cover their health care cost. The income subsidy required by the Authority to meet this provision in 2022 is proposed at **GH¢205,030,140.90**

The exempt groups are;

- a) Indigents
- b) Children, under 18 years of age
- c) Pensioners under the SSNIT Scheme
- d) Aged (70 years of age and above)
- e) SSNIT Contributors
- f) Pregnant Women

7.2 INCOME SIDE/PREMIUM SUBSIDY DISTRIBUTION

Category	Active Members	Active Members Estimate for 2022	
	Number =N ₂₀₂₁	Number N ₂₀₂₂	Income Subsidy =C*N _{exempt} (GH¢)
Informal	6,105,644	6,528,056	-
SSNIT Contributors	609,936	652,134	11,738,403.16
SSNIT Pensioners	96,203	102,859	1,851,464.13
Indigents	1,546,062	1,653,024	29,754,432.93
Children (under 18 yrs)	6,967,561	7,449,602	134,092,841.27
Aged (over 70+)	695,339	743,445	13,382,004.17
Pregnant Women	738,414	789,500	14,210,995.25
	16,759,158	17,918,619	205,030,140.90

SUBSIDY FOR CLAIMS EQUALIZATION

The expenditure side risk equalization takes account of financing gap between the average cost of claims per active member and the average premium per active member. The expenditure side risk equalization formula is given by:

- Given that;

✓ average claim cost per member in 2021	=	GH¢ 69.02
✓ average claims per encounter in 2021	=	GH¢ 25.10
✓ est. average claims per encounter in 2022	=	GH¢ 32.67
✓ est. average encounter in 2022	=	2.75
✓ est. average claim cost per member in 2022	=	GH¢ 89.84
✓ average premium per member in 2022	=	GH¢ 18.00
✓ claims subsidy per member estimated for 2022	=	GH¢ 71.84
✓ estimated number of active member in 2022	=	17,918,519

- Amount accruing to the National Health Insurance Scheme as claims subsidy for expenditure side equalization is **GH¢ 1,287,254,860**

7.3 ALLOCATION OF CLAIMS SUBSIDY BY CATEGORY

Category	Active Members Estimated 2022	
	Number	Claims Subsidy GH¢
Informal	6,528,055	468,968,687.54
SSNIT Contributors	652,134	46,848,589.90
SSNIT Pensioners	102,859	7,389,291.59
Indigents	1,653,024	118,751,520.73
Children (Under 18)	7,449,602	535,171,645.15
Aged (70 yrs +)	743,445	53,408,288.75
Pregnant Women	789,500	56,716,836.16
Total	17,918,619	1,287,254,859.82

7.4 ALLOCATION OF CLAIMS & PREMIUM SUBSIDY BY REGIONS

	Region	Membership 2022			Premium Subsidy GH¢	Claims Subsidy GH¢	Total Subsidy GH¢
		Total	Exempt	Informal			
1	Ashanti	3,144,713	1,999,041	1,145,672	35,982,740	225,912,916	261,895,656
2	Ahafo	438,937	279,025	159,912	5,022,451	31,532,802	36,555,254
3	Bono	1,040,579	661,478	379,100	11,906,608	74,754,076	86,660,684
4	Bono East	880,782	559,898	320,884	10,078,165	63,274,438	73,352,603
5	Central	1,353,000	860,079	492,921	15,481,428	97,198,114	112,679,542
6	Eastern	1,977,556	1,257,099	720,457	22,627,780	142,065,549	164,693,329
7	Gt. Accra	2,491,407	1,583,746	907,662	28,507,422	178,980,108	207,487,530
8	Northern	1,005,976	639,482	366,494	11,510,677	72,268,278	83,778,956
9	North East	380,305	241,753	138,552	4,351,562	27,320,710	31,672,271
10	Oti	298,051	189,466	108,585	3,410,389	21,411,683	24,822,072
11	Savannah	352,237	223,911	128,326	4,030,401	25,304,345	29,334,746
12	Upper East	1,021,081	649,084	371,997	11,683,511	73,353,394	85,036,905
13	Upper West	768,114	488,277	279,837	8,788,987	55,180,500	63,969,487
14	Western	1,068,261	679,075	389,185	12,223,356	76,742,737	88,966,093
15	Western North	540,626	343,667	196,959	6,186,000	38,837,987	45,023,986
16	Volta	1,156,994	735,481	421,512	13,238,665	83,117,223	96,355,888
	TOTAL	17,918,619	11,390,563	6,528,055	205,030,142	1,287,254,860	1,492,285,002

**7.5 OTHER MANDATORY AND ADMINISTRATIVE COMMITMENTS
OF THE NATIONAL HEALTH INSURANCE AUTHORITY**

Disbursement will be made in 2022 fiscal year for the following mandatory and administrative expenditure;

- a) Operational costs of the Head office, Regional offices and District offices;
- b) Administrative & Logistical Support to 168 District Offices.
- c) Support to MOH – Public Health & Preventive Care& Health Service Investment
- d) Support for MPs sponsored District Health Projects and M&E
- e) Management Information System
- f) Biometric ID Card & Authentication System
- g) Claims Processing Centers
- h) Deployment of Claim it' application to manage and pay for claims
- i) Document Archival System
- j) Publicity, Sensitization and Marketing of NHIS programs.
- k) Restructuring of the NHIS for sustainability.
- l) Capturing of claims data into a computerized system and a paperless claims processing system.

7.6 DETAILS OF 2022 NHIF ALLOCATIONS

No.	ITEM	Amount GH¢ 'm	% of Fund	Details	2022 GH¢	2021 GH¢	2021 Actual GH¢		
1.0	Claims for 2022 <i>Total</i>	1,609.79 <hr/> 1,609.79	55.14%						
				<i>Claims Payment for 2022</i>					
				1.1 Premium Subsidy- Exempt	205.03	200.82			
				1.2 Claims Subsidy	1,287.25	1,175.25	1,156.68		
	1.3 Premium- Informal	117.51	111.77						
2.0	NHIA Operational Cost	390.77	13.38%	2.1 Compensation 2.2 Goods & Services 2.3 Assets	329.75 46.02 15.00	283.18 60.52 20.93	266.92 30.00 2.17		
3.0	Support to District Offices	45.89	1.57%	3.1 Admin Support to District Offices 3.2 District Staff Training & Dev't. 3.3 District Vehicles- 50 no.	30.61 4.42 10.86	30.61 4.42 10.86	31.07 0.00 8.60		
4.0	Support to MOH	291.97	10.00%	<i>Public Health & Preventive Care</i> 4.1 Malaria Control Programs 4.2 Malaria Commodities 4.3 Sickle Cell Screening 4.4 ARV Medicines & Counterpart Funds 4.5 Ambulance Service 4.6 Expanded Prog on immune (EPI) Vaccines 4.7 Rabbits Vaccines 4.8 Psychotherapeutic Medicines 4.9 Contraceptives 4.10 Tetanus Immunization 4.11 Anti-snake W/African Polyvalent Sera (PFR) 4.12 CSM Vaccines & Medicines 4.13 Commodities for TB 4.14 Blood Clection Bags & Ragents For NBTS 4.15 Fellowship for Continuning Students <i>Health Service Investment</i> 4.16 Const. Health Training Schools 4.17 Health Provider Sys. Integration	85.00 11.93 0.50 24.35 10.00 72.00 2.00 5.00 3.00 2.00 15.00 2.00 1.70 2.00 3.00 7.00 45.49	65.00 11.93 0.50 24.35 10.00 72.00 2.00 5.00 3.00 2.00 15.00 2.00 1.70 2.00 3.00 7.00 40.00	50.00 0.00 0.50 2.08 10.00 69.15 0.00 0.00 0.00 0.00 12.76 0.00 0.00 0.00 0.00 2.86 39.06		
5.0	Support for District Health Projects	45.76	1.57%	5.1 District Health Projects 5.2 Special Projects 5.3 Monitoring & Evaluation	23.38 10.00 12.38	20.63 7.00 9.63	20.70 5.25 9.59		
6.0	Claims Processing Centers	53.00	1.82%	6.1 Const of 2 no. CPC Buildings	53.00	40.00	0.00		

No.	ITEM	Amount GH¢ 'm	% of Fund	Details	2022 GH¢	2021 GH¢	2021 Actual GH¢
7.0	Biometric ID Cards & Authentication System	62.92	2.16%	7.1 BMS Enrolment Kits for 13 new district offices	0.70	16.20	2.66
				7.2 Zebra Colour Ribbons (9000 no. @ Ghc 360.00)	3.24	2.75	2.34
				7.3 Biometric ID Card (2.6 million no. Ghc 21.00)	54.60	70.00	48.02
				7.4 Data Colour Ribbons (4000 no. @ Ghc 1,095.00)	4.38	0.55	0.00
8.0	Management Information System	205.54	7.00%	Software (Ghc 31.17)			
				8.1 E-Claims	5.80	15.00	5.29
				8.2 Claim IT Software	14.40	14.40	0.02
				8.3 Application Licenses (HR, Payroll & BMS, Microsoft, VMWare, Veeam)	9.80	12.20	8.19
				8.4 License, Maintenance & Support (SAGE Accounting Software)	1.00	1.00	0.05
				8.5 Software licence for ManageEngine, ServiceDesk/OP Manage Suite	0.17	0.21	0.00
				Hardware (Ghc 26.17)			
				8.6 Computers & Access 2,500 no. @ GHS 6,500 each	16.25	9.75	0.00
				8.7 Multi-Function Scanner/Copiers	0.50	0.75	0.01
				8.8 ID Card Printers & docu Printers, PC hardware maintenance (Contractual)	6.60	6.60	3.99
				8.9 Maintenance for Power Inventers (Contractual)	1.50	1.50	0.27
				8.10 POS Printers & Net Book	1.32	2.32	0.00
				Network (Ghc 19.20)			
				8.11 WAN Backup for Dist & Reg Operations (Contractual)	18.00	25.00	4.69
				8.12 Internet & other Telecom (MTN, Vodafone, MainOne, NITA, Comsys)	1.20	2.00	0.28
				System (Ghc 62.40)			
				8.13 Provide ongoing maintenance of Nationwide ICT solution. Including VSAT.	45.00	45.00	47.09
				8.14 Mobile Application	0.00	0.40	0.00
				8.15 Mobile Renewal, USSD & SMS & Authentication (Contractual)	2.50	5.00	1.60
				8.16 Document Management system	0.90	2.50	0.00

No.	ITEM	Amount GH¢ 'm	% of Fund	Details	2022 GH¢	2021 GH¢	2021 Actual GH¢
				8.17 Online Self-registration solution	9.00	0.00	0.00
				Infrastructure (Ghc 69.70)			
				8.18 Equipment & systems modifications for NIA Integration	1.20	3.20	0.00
				8.19 Upgrade of Data Centre	0.00	21.00	0.00
				8.20 New Data Centre Tier 3	60.00	0.00	0.00
				8.21 Extend Data Storage System	7.50	30.00	0.00
				8.22 CPC Data Centre Maintenance (Contractual)	0.20	0.80	0.02
				8.23 Support set-up of new District and Regional Offices	0.80	2.20	0.09
				Security (Ghc 1.90)			
				8.24 ICT Security Enhancement	1.40	3.80	0.00
				8.25 DC LAN Switches & Firewalls (10 no. @ GHS 50,000 each)	0.50	0.70	0.48
9.0	Office Buildings	63.57	2.18%	9.1 Ongoing Projects (55 building projects; outstanding balance)	32.47	0.00	7.57
				9.2 New Projects (15 no. District Offices)	30.00	25.20	0.00
				9.3 Wash room for 10 District Offices)	1.10	0.00	0.00
10.0	Call Center	0.67	0.02%	10.1 Call Center - expansion	0.67	1.19	0.04
11.0	Archival System & Document Management	20.38	0.70%	11.1 Materials, Storage, & Services	20.38	13.32	2.90
				11.2 Document Digitization	0.00	3.60	0.00
12.0	Support for NHIS Related Research	0.30	0.01%	12.1 Support for NHIS-related Research work	0.30	0.30	0.06
13.0	Sensitization, Publicity & Marketing	4.20	0.14%	13.1 Sensitization, publicity, publicity tools, and marketing programs	4.20	7.60	6.12
14.0	Claims Data Capturing	45.00	1.54%	14.1 To capture 60 million claims data	45.00	42.00	29.11
15.0	Data Integration, Transfer and Maintenance	10.64	0.36%	15.1 Data Integration, Transfer and Maintenance	10.64	0.00	0.00
16.0	NHIS Restructuring	1.00	0.04%	15.1 Policy, Operational & System Reforms	1.00	8.09	0.00
17.0	Corporate Social Responsibility	20.00	0.69%	17.1 Corporate Social Responsibility	20.00	20.00	4.91

No.	ITEM	Amount GH¢ 'm	% of Fund	Details	2022 GH¢	2021 GH¢	2021 Actual GH¢
18.0	Emergency Medical Supply Services	40.00	1.37%	18.1 Emergency Medical Supply Services	40.00	0.00	0.00
19.0	Contingency	8.27	0.28%	19.1 Amount allocated for contingencies	8.27	8.27	0.00
	Total NHIS Allocation	2,919.67	100%	Total	2,919.67	2,666.92	1,893.18

7.7 SUMMARY OF PROPOSED ALLOCATION OF FUNDS FOR 2022

Details	Notes	GH¢'m	%
Claims -2022	8.1	1,609.79	55.14%
NHIA Operational Expenses	8.2	390.77	13.38%
Support to District Offices	8.3	45.89	1.57%
Support to MOH	8.4	291.97	10.00%
Support for District Health Projects & M&E	8.5	45.76	1.57%
Claims Processing Centers	8.6	53.00	1.82%
Biometric ID Cards & Authentication System	8.7	62.92	2.16%
Management Information System	8.8	205.54	7.00%
Office Buildings	8.9	63.57	2.18%
Call Center	8.1	0.67	0.02%
Archival System	8.11	20.38	0.70%
Support for Health-related Research	8.12	0.30	0.01%
Sensitization, Publicity, tools & Marketing	8.13	4.20	0.14%
Claims Data Capturing	8.14	45.00	1.54%
Data Integration, Transfer and Maintenance	8.15	10.64	0.36%
NHIS Re-Structuring	8.16	1.00	0.03%
Corporate Social Responsibility	8.17	12.00	0.69%
Emergency Medical Supply Services	8.18	40.00	1.37%
Contingency	8.19	8.27	0.28%
Grand Total		2,919.67	100.00%

7.8 COMPARATIVE & COMMON SIZED ANALYSIS OF BUDGETED FUNDS FOR 2022 & 2021

Expenditure Line	2022		2021	
	GH¢'m	% of Total	GH¢'m	% of Total
Claims	1,609.79	55.14	1,488.26	55.8
NHIA Operational Expenses	390.77	13.38	364.63	13.67
Support to District Offices	45.89	1.57	45.89	1.72
Support for MOH Programs	291.97	10.00	266.48	9.99
Support for District Health Projects & M&E	47.76	1.57	37.26	1.4
Claims Processing Centers	53.00	1.82	40.00	1.5
Biometric ID Cards & Authentication System	62.92	2.16	89.50	3.36
Management Information System	205.54	7.00	205.33	7.7
Office Buildings	63.57	2.18	25.20	0.94
Call Center	0.67	0.02	1.20	0.04
Archival System	20.38	0.70	16.92	0.63
Support for Health-related Research	0.30	0.01	0.30	0.01
Sensitization, Publicity, tools & Marketing	4.20	0.14	7.60	0.28
Claims Data Capturing	45.00	1.54	42.00	1.57
Data Integration, Transfer and Maintenance	10.64	0.36	0.00	0
NHIS Reforms	1.00	0.03	8.09	0.3
Corporate Social Responsibility	20.00	0.69	20.00	0.75
Emergency Medical Supply Services	40.00	1.37	0.00	0.0
Contingency	8.27	0.28	8.27	0.27
Grand Total	2,919.67	100.00	2,666.93	100.00

7.9 Medium Term Income & Expenditure Plan – 2022 - 2025

Based on the budgetary provisions for the year 2021 and trends in income and expenditure outturns for the past three years (2019 to 2021) of the NHIA and expected trends in inflation for the next three years, income and expenditure targets for 2022 to 2025 are projected as follows:

Details	2022	2023	2024	2025
Income	GHC'm	GHC'm	GHC'm	GHC'm
Levies - NHIL & SSNIT	2,694.09	3,454.56	4,047.77	4,658.95
Processing Fees	85.36	93.90	95.55	97.03
Premium (Informal)	117.51	129.26	132.85	134.85
Commission - Mobile Renewal	8.06	8.78	9.57	10.44
Road Accident Fund (NIC)	0.29	0.32	0.54	0.57
Income on Investment	12.36	13.08	13.67	14.99
Other Income	2.00	2.20	2.90	3.40
Total	2,919.67	3,702.10	4,302.85	4,920.23
Expenditure	2022	2023	2024	2025
Claims Cost	1,609.79	2,244.48	2,620.99	3,010.62
NHIA Operational Expenses	390.77	465.12	583.66	702.58
Support to District Offices	45.89	68.68	75.55	83.11
Support to MOH	291.97	370.21	430.27	492.02
Support for District Health Projects & M&E	45.76	40.99	45.08	49.59
Claims Processing Centers	53.00	60.60	70.26	81.09
Biometric ID Cards & Authentication System	62.92	73.09	82.40	92.64
Support for NHIS Related Research	0.30	0.33	0.36	0.40
Archival System	20.38	26.38	29.02	31.92
Call Center	0.67	1.32	1.45	1.60
Office Buildings	63.57	75.44	87.39	96.12
Management Information System	205.54	170.02	160.61	152.20
Sensitization, Publicity, tools & Marketing	4.20	5.00	5.80	6.80
Claims Data Capturing	45.00	49.50	54.45	59.90
Data Integration, Transfer and Maintenance	10.64	11.64	12.64	13.64
NHIS Re-structuring	1.00	9.00	10.00	11.00
Corporate Social Responsibility	20.00	21.00	22.00	23.00
Emergency Medical Supply Services	40.00	0.00	0.00	0.00
Contingency	8.27	9.30	10.90	12.00
Total	2,919.67	3,702.10	4,302.85	4,920.23

It should be noted that the above projections were based on trends in average growth rates in each income and expenditure line items from the year 2019 to 2021, except for statutory incomes (NHIL & SSNIT), which were sourced directly from the annual budget statements of 2022 of Ghana. It is anticipated that cost of items will not go beyond an average of 20% of the preceding year's expenditure line items.

EXPLANATORY NOTES EXPENDITURE

1.0 Claims – 2022

A total amount of **GH¢ 1,609.79 million** is allocated for the payment of claims of health service providers for 2022, for a projected active membership base of **17.918** million. The budgeted amount has factored in expected medical inflation, 30.17% increase in tariffs, and the expansion of the benefit package to absorb four out of the six index childhood cancers (**Burkitt, Lymphoma, Acute Lymphoblastic Leukaemia, and Wilms Tumour**), hydroxyurea for managing sickle cell disease, and the nationwide rollout of family planning. This expenditure shall be funded from earmarked allocation from premium subsidy (exempt category), claims subsidy and premium contributions from the informal sector in 2022.

1.1 Premium Subsidy

This represents subsidy payable by Government on behalf of the 11,390 million members of the exempt category of the NHIS. The total expected subsidy for 2022 is **GH¢205.03 million**. Details are as follows;

Indigents

Ghana's estimated population for 2022 is about **31.436 million**. The indigent population for 2022 is estimated at **1,728,144**. It is estimated that 96% of indigents (i.e. **1,653,024** indigents) shall be covered under the scheme in 2022. An amount of GH¢18.00 is allocated as premium for each indigent and hence, a total amount of **GH¢29.75 million** will be required as premium subsidy for the indigents in 2022.

Children under 18 years

The law prescribes that those under 18 years be catered for by government. The active membership of children under 18 years is estimated at 7,449.60 million in 2022. A provision of **GH¢134.09 million** has therefore been made to cover for the premium of this exempt group.

SSNIT Pensioners

The number of SSNIT pensioners is estimated at 188,924 in 2022. It is estimated that 54% of this number (i.e. 102,859) will be covered under the scheme in 2022. An amount of **GH¢1.85 million** is allocated to cover the premium of SSNIT pensioners in 2022.

The Aged

Those considered to be the aged population are those of 70 years and above. Considering the fact that the aged suffer a number of chronic diseases such as hypertension, diabetes, cancers, heart diseases etc, and the fact that they are economically vulnerable makes them a very important population group to be considered in the development of the health insurance formula.

It is estimated that 921,894 of the estimated 31,436 million of the population will constitute the aged population in Ghana in 2022. About 81% or 743,445 of the estimate is expected to be covered by the Scheme in 2022. An estimated amount of **GH¢13.38 million** is

allocated for the payment of premium for the 743,445 aged expected to be covered under the scheme in 2022.

SSNIT Contributors

SSNIT contributors are automatically covered under the law because of their 2.5% monthly contribution to the NHIF. It is estimated that 652,134 SSNIT contributors representing 51.0% of the expected number of SSNIT contributors will be covered under the scheme in 2022. An amount of **GH¢11.73 million** is therefore allocated to cover their premium under the Scheme in 2022.

Pregnant Women

The allocation to this category is as a result of Government policy to grant premium payment exemption to pregnant women in the country. The Scheme is expected to cater for 789,500 pregnant women in 2022. An amount of **GH¢14.21 million** is allocated for the payment of their premium under the Scheme in 2022.

1.2 Claims Subsidy

The claim subsidy is based on total estimated active membership of **17.918 million** in 2022. Average claim cost per head in 2022 is estimated at **GH¢83.06**.

Against expected average premium of **GH18.00** per head per year, the shortfall of **GH¢65.06** constitute the estimated claims subsidy for each expected active member in 2022.

Based on this, an amount of **GH¢1,165.78million** is allocated to the Scheme as claims subsidy in 2022.

1.3 Informal Premium Earmarked For Claims

Premium of **GH¢117.51 million** expected from the informal sector in 2022 is also allocated for the payment of claims in 2022.

2.0 NHIA Operational Expenses

The National Health Insurance Act, 2012 (Act 852) unified the 168 Schemes into a unitary National Scheme under the National Health Insurance Authority. The budget of the Authority's operations for 2022 covers activities of the Head office, the 16 Regional offices, and activities of the 168 District across the country.

For the year 2022, a total amount of **GH¢390.77 million** is provided for the Authority's operations (Compensation, Goods & Services and Assets. Details of this amount are captured in the 2022 NHIA Operational Budget Document.

3.0 Support To District Offices

The District Offices will require financial support to meet their administrative and logistic expenditure. To ensure effective administration of the Scheme at the district levels, the District Offices will be assisted to build effective administrative and logistical capacity on

continuous basis to meet expanding responsibilities. A membership drive to enrol **17.918 million** people in 2022 requires adequate resources to hold regular stakeholder meetings and durbars and to cater for other administrative costs. Inadequate funding in 2021, adversely affected the operations of the District Offices in 2021.

A total amount of **GH¢45.89 million** will be required by the Authority to provide technical, administrative and logistical support to the District Offices. The following are expected to be covered under this budget:

- i. Provision of administrative and logistical support will average **GH¢0.182.20 million** per District Office. This amounts to **GH¢30.61 million**. Of this amount, **GH¢4.66 million** will be administered directly from the head office on behalf of the District Offices to cater for office rent, logistics for newly created offices, insurance policies etc. The remaining **GH¢25.95 million**, will be released or disbursed to the District Offices on quarterly basis to cover the following:
 - Marketing and publicity programs
 - Per Diems for attending training and other programs organized by the Head Office
 - Creation of cubicles for bank teller in-plant
 - Printing, stationery and office consumables
 - Maintenance and repair works
 - Membership drive
 - Travelling expenses and allowances
 - Fuel & Vehicle running cost.
 - Utilities
 - Etc
- ii. An amount of **GH¢4.42 million** has been allocated for the training and development needs of all District Staff across the country. The allocation covers course fees, conference packages, training materials for workshops, seminars and special capacity building programs for District Offices. Per Diems of participants are excluded from this budget.
- iii. Some of the existing scheme vehicles are due for replacement due to old age and frequent breakdowns. It is estimated that 50 of such vehicles would be replaced at a total cost of **GH¢10.86 million**.

4.0 Support For Ministry Of Health Programs

Public Health & Preventive Care

The Act enjoins the Authority to facilitate activities that are in the larger interest of the Scheme. To help promote preventive care and to improve the long-term sustainability of the program, through reduced medical claims, the Authority in consultation with the sector ministry is proposing to allocate an amount of **GH¢239.48 million** to support public health and preventive care programs which are aimed at protecting segments of the population against certain preventable diseases like HIV, malaria, cholera, diarrhoea and

water born diseases etc. Included in the malaria control program, is indoor residual spraying, which will be piloted in two districts.

Health Service Investment

Section 40 (2d) of Act 852 stipulates that a proportion of the Fund shall be allocated to cater for investments in any facilitating program to promote access to health service as determined by the Minister of Health in consultation with the Board.

The Authority is supporting the construction of buildings in some health facilities and some health training schools in the country. In 2022, an amount of **GH¢7.00 million** is allocated to support these projects. The projects are as follows;

- Akatsi District Health Hospital
- Pantang Health training school
- Sampa Health training school
- Hohoe Midwifery Training school
- Korle-bu Per-operative facility
- Bibiana Anhiaso Bekwai

An amount of **GH¢45.49 million** is also allocated to support health provider system integration.

A total of **GH¢291.97 million** is therefore budgeted as support for Ministry of Health programs in 2022.

5.0 Support For District Health Projects & M&E Activities

The NHIA is financing a number of health related projects undertaken by Members of Parliament in their respective constituencies. These projects are aimed at improving the health service delivery in their respective constituencies. The Authority will continue to support these projects in 2022 and therefore propose to allocate an amount of **GH¢85,000.00** for each district health project, plus an amount of **GH¢10.00 million** for special projects. The allocation for 2022 is therefore **GH¢33.38 million**.

The Authority also allocates **GH¢12.38 million** for health related monitoring and evaluation activities of the 275 members of Parliament in their respective constituencies. Each member is allocated **GH¢45,000.00**. These activities are expected to contribute towards the improvement of health services in their respective constituencies.

6.0 Claims Processing Centres

A total amount of **GH¢ 53.00 million** is allocated for the construction of two (2) claims processing centers with state-of-the-art facilities. It will also cater for logistics support for the centers. The operation of these centers is expected to modernize and improve the time and quality of claim processing across the country, and also to reduce both subscriber and provider induced fraud. The budgetary provision is 50% of the total cost estimates (**total cost: GH¢106.00 million**) provided by a consultant and is meant to cover the following for the year 2022;

- The Building structure.

- Infrastructure, furniture and fittings

7.0 Biometric ID Card & Authentication System

The Authority has deployed an instant biometric ID card and authentication system in all its district offices across the country. This system will enhance data integrity and subscriber authentication at point of access to health care, as well as ensure greater checks and control in the claims payment system. This is also expected to reduce provider shopping, subscriber abuse and fraud. In 2022, the NHIA intends to provide the necessary accessories, consumables and maintenance support to improve and sustain the efficient and effective running of this system.

In this regard, an amount of **GH¢62.92 million** is allocated to cover the following:

- cost of replacing worn out enrollment kits and smart printers for district offices and sub offices. We intend to procure 13 no. (for 13 new district offices) smart printers and accessories at an estimated per unit cost of **GH¢53,850.00**
- provision of 2.6 million biometric ID cards at a cost **GH¢21.00** per card.
- Zebra colour ribbons (9,000 no. at a unit cost of **GH¢360.00**) worth **GH¢3.24** million will be delivered. Additional 4,000 data colour ribbons (**GH¢ 1,095** per unit) are expected to be contracted in 2022.

8.0 Management Information System

The Nationwide ICT system facilitates the day to day operations of the Authority in the Head office, the Regional offices and in the District offices. The system ensures that:

- There is effective communication between the District offices, the Regional offices, the Head office and Service Providers for data collection and analysis, which is critical for meeting the objectives of the Scheme;
- There is financial and operational accountability on the part of the various offices of the Scheme.
- Managing risk, controlling fraud and ensuring financial and operational sustainability; and
- Addressing the portability requirement and claims management.

To meet and sustain these objectives, a total amount of **GH¢205.54 million** is allocated for the equipment, maintenance and upgrade of the Management Information system. The breakdown of the expenditure is as follows;

8.1 An amount of **GH¢5.80 million** is provided to manage the E-Claims software for the year 2022.

8.2 An amount of **GH¢14.40 million** has been provided to acquire claims submission software (CLAIM-IT)

8.3 An amount of **GH¢9.80 million** is provided to pay for Application and Database licenses in respect of HR, Payroll and BMS (**GH¢3.16 million**), Microsoft (**GH¢5.64 million**), for 3,500 staff, VMWare and Veeam licenses for 20 CPU sockets (**GH¢1.0 million**).

8.4 An amount of **GH¢1.00 million** is provided to pay for license and maintenance of the SAGE Accounting software used at the Districts Offices

8.5 **GH¢0.17 million** is provided to pay for annual license and maintenance of Service Desk and Data Centre Monitoring application suite

8.6 An amount of **GH¢16.25 million** is earmarked for the purchase and installation of 2,500 computers to replace broken down machines at the district and head offices. Inadequate number of computers are affecting operations. Besides, 75% of existing computers are over 7 to 10 years old, most of which cannot run on the current operating system and security software. There was no purchase of computers in the year 2021, even though there was a budgetary provision.

8.7 An amount of **GH¢0.50 million** is provided to cater for the leasing of multi-function scanners and copiers to facilitate smart working

8.8 A total amount of **GH¢6.60 million** is earmarked for maintenance of Data Card printers. This include outstanding of **GH¢2.7 million** from the year 2021, maintenance of HP document printers (**GH¢0.14 million**), maintenance of desktops, servers and BMS Laptops (**GH¢0.4 million**) and maintenance of UPS (**GH¢0.07 million**) and **GH¢3.29 million** for Data Card printers for the current year.

8.9 An amount of **GH¢1.50 million** will pay for on-going maintenance of power inverters that protect ICT equipment from damage due to power fluctuations at the NHIA District and Regional Offices across the country.

8.10 An amount of **GH¢1.32 million** is allocated for additional two E-Receipting terminals for District Offices at **GH¢2,500** and **GH¢1,000 per unit** for netbook computers and POS printers respectively for 190 sites.

8.11 An amount of **GH¢18.00 million** is provided for back-up links for the NHIA Wide Area Network to improve network availability across the country. A significant portion of the budget is for one-time setup costs.

8.12 An amount of **GH¢1.20 million** is to pay for various subscribed telecom services

8.13 A total amount of **GH¢ 45.00 million** is allocated to provide for ongoing contract on maintenance for Biometric Membership Systems (BMS), including VSATs at underserved locations, Data Centers and systems.

8.14 Mobile Application activity was not carried out in 2021

8.15 An amount of **GH¢2.5 million** is provided for the cost of USSD and SMS for mobile renewal services. This amount will be funded from the **GH¢1.00** fees collected per NHIS mobile renewal.

8.16 An amount of **GH¢0.90 million** is provided to pay for the Improvement of workflow efficiencies and technology capacity building - GoG Smart workplace platform

8.17 An amount of **GH¢9.00 million** has been made for the development of online self-registration platform (mobile application) for membership enrolment.

8.18 An amount of **GH¢1.20 million** is allocated for the provision of IT systems changes in the NHIA for integration with the IT systems of the National Identification Authority (NIA). This activity was not executed in 2021.

8.19 Upgrade of Data Centre was not carried out in 2021

8.20 The NHIA requires a new Data Centre redesigned for high service availability and an improved IT staff workspace. An amount of **GH¢60.00 million** is provided to commence works for its construction. The Data Centre also hosts other health information systems for the health sector. The full cost of the project is estimated at **USD 15.4 million**.

8.21 An amount of **GH¢7.50 million** is provided to extend existing data storage system. This includes some servers and backup tape media. This activity was not executed in 2021.

8.22 An amount of **GH¢0.20 million** is to cater for the hosting of CPC Data Centre at NITA. The e-claims software is installed at this location.

8.23 An amount of **GH¢0.80 million** is to pay for the provision of ICT related equipment for the set-up of new district offices and 6 regional offices.

8.24 An amount of **GH¢1.40 million** has been allocated for the provision of licenses, tools, and consultancy services for the enhancement of NHIA IT security. This includes Penetration Test (**GH¢0.4 million**); Priviledge Access Manager (**GH¢0.5 million**); Database Activity Monitoring (**GH¢0.5 million**); etc.

8.25 An amount of **GH¢0.50 million** is to cater for the provision for security devices to augment IT Security

9.0 Office Buildings - Construction of District and Regional Offices

A provision of **GH¢63.57 million** has been made for ongoing and new building projects. This is made of 15 new district offices and new 10 wash rooms at a total cost of **GH¢30.00 million and GH¢1.10 million** respectively. Also included in the budgeted amount, is an outstanding balance of **GH¢32.47 million** for the 55 ongoing building projects (**Total contract sum: GH¢80.90 million**) at various stages of completion; the 2021 budget provisions in GIFMIS, including budgets for previous years, for ongoing projects have expired and no longer available to enable payments to be effected in 2022, hence the need to re-budget for the outstanding amounts in 2022.

10.0 Call Centre

The Authority proposes a budget of **GH¢ 0.67 million** for the operation of call centers in 2022. This is to cover increase in seating capacity from the current 7 to 20 seats and secure advanced technology such as room insulation, application software with features such as Automatic Call Router AVR, Voice Log Recorder for quality control, business intelligence. (BI) for analysis.

11.0 Archival System & Document Digitization System

The Authority has earmarked an amount of **GH¢20.38 million** for the operation of the archival services for the millions of claims documents from over 4,000 credentialed health providers. The amount will cover the cost of materials, storage, transportation, handling and services. The budgeted amount includes **GH¢9.42 million** unpaid liability in respect storage of old boxes of records for the year 2021.

12.0 Health Related Research

An amount of **GH¢0.30 million** is earmarked as donation for health related research to be undertaken by external entities and individuals.

13.0 Sensitization, Publicity And Marketing

The Authority plans to undertake vigorous sensitization and publicity programs to inform and educate the public on issues about the Scheme through the media, subscriber hand books etc. The aim is to increase public confidence in the Scheme and also sensitize the public on national preventive care campaigns being undertaken by the NHIA. A total amount of **GH¢ 4.20 million** is set aside for this purpose.

14.0 Claims Data Capturing

The Authority intends to capture paper-based claims data onto a software. This is meant to ensure analysis of claims data to facilitate strategic decision making in the management and control of claims cost. A total quantity of 60 million data on claims will be captured in 2022 at a cost of **GH¢ 45.00 million**.

15.0 Data Integration, Transfer and Maintenance

A provision of **GH¢10.64 million** is made for the cost of integrating and transferring data in 2022.

16.0 NHIS Re-Structuring

In 2022, we intend to implement the recommendations of the technical sub-committee on the review and re-structuring of the entire NHIS, in collaboration with the Ministry of Health. An actuarial study of the recommendations of the technical committee was undertaken in 2019. A total of **GH¢1.00 million** has been allocated towards this end.

17.0 Corporate Social Responsibility

In 2022, the Authority will continue to contribute towards programs aimed at ensuring social and environmental sustainability. An amount of **GH¢ 20.00 million** has been earmarked to cater for this move.

18.0 Emergency Medical Supply Services

Assistance to provide emergency medical supply services to underserved areas, using drone technology. An amount of **GH¢ 40.00 million (USD 5 million)** is earmarked for this services.

19.0 Contingency

For the purpose of meeting unexpected commitments of the Authority and price increases within the year, an allocation of **GH¢ 8.27 million** has been earmarked.