

Medical Record Management System of Baung Health Center

Clifford T. Fiesta

Cliffordtfiesta16@gmail.com Tonette L. Lucas tonettelucas613@gmail.com Clarisa A. Dagdag clarissa13agamata@gmail.com

Novelyn Grace Agustin

lhyvhieagustin371@gmail.com

Cagayan State University – Piat Campus Piat, Cagayan, Philippines

ABTRACT

This study is focused on the design, development and implementation of a Medical Record Management System (MRMS) for Baung Health Center, aimed at replacing the existing manual, paperbased record-keeping system. The primary objectives included designing a database to store medical records, creating a user-friendly interface for authorized personnel, ensuring data security through reliable backup systems, and providing accurate printed medical records. Utilizing the Rapid Application Development (RAD) methodology, the system was developed through phases of requirements planning, prototyping, testing, and deployment. The implementation of the MRMS was expected to enhance the efficiency and accuracy of managing patient records, reduce the risk of errors, and improve overall patient care. The new system provided a standardized method for recording and accessing patient information, addressing the current challenges of time-consuming and error-prone processes. The study highlighted the significant benefits of the MRMS in streamlining operations, safeguarding sensitive patient data, and supporting healthcare providers in delivering quality care. The findings suggested that the MRMS not only improved the management of patient information but also served as a valuable model for other healthcare facilities considering similar upgrades.

Keywords: Medical Record Management System (MRMS), Data security, Rapid Application Development (RAD), Patient records, Healthcare efficiency

Barangay Health Center is a community-based organization that provides first aid, maternal and child health care, diagnosis of social diseases, and other basic health services to all the members of the community it is serving. It serves as the first point of contact between the residents of the community and other health care facility levels. Barangay Health Centers are essential components of the health care system in the Philippines as they provide essential health services and play a significant role in promoting the health and well-being of the community. But it is crucial in Barangay Health Centers to have a good record management in order to ensure the accuracy, completeness, and confidentiality of patient information. Proper documentation of patient visits, medical history, diagnoses, and treatment plans are essential for effective patient management, continuity of care, and monitoring of health outcomes. It also enables health care providers to identify health trends, track disease prevalence, and evaluate the effectiveness of health interventions.

One of the biggest challenges that healthcare providers face in barangay health center is the use of paper-based record. This system is prone to errors and loss of important information, which can negatively impact patient care. The lack of standardization in record management also makes it difficult to share information among healthcare providers in different locations. These challenges can result in a delay in providing the necessary treatment to patients, leading to poor health outcomes.

The Baung Health Center located in Barangay Baung, Piat, Cagayan, Philippines is a government-owned healthcare facility serving a small population of 1,446 individuals distributed across 378 households and 450 families. The current paper-based medical record management system poses challenges such as time-consuming and error-prone patient record management, delays in accessing patient records, difficulty in tracking patient history and medical trends, and increased risk of errors in prescription and medication dispensing.

The proposed system is an electronic medical record-management system that will

streamline the process of recording and managing medical records. It will provide healthcare providers with a standardized system for recording and accessing patient information, reducing the risk of errors and loss of information. The system will also be designed to be user-friendly, ensuring that users can easily navigate the system and record information accurately.

The proposed system will benefit the agency in many ways. It will improve the quality of care provided to patients, reduce the time spent on paperwork, and allow for better coordination among healthcare providers. The system will also provide valuable data for analysis, enabling healthcare providers to make informed decisions about patient care and resource allocation.

The Medical Record Management System for Baung Health Center is a much- needed initiative to address the challenges faced by healthcare providers in Barangay Health Centers. The proposed system will improve the quality of care provided to patients, reduce the risk of errors and loss of information, and provide valuable data for analysis. The implementation of this system will require a significant investment of resources, but the benefits far outweigh the costs.

OBJECTIVES OF THE STUDY

The general objective of this study is to develop a Medical Record Management System for Baung Health Center to replace the manual system.

Specifically, it will:

• design a database for storing the medical records of

residents in Baung Piat, Cagayan.

- develop a user-friendly interface that allows authorized personnel to access and manage patient records efficiently.
- provide a secure and reliable backup system t prevent data loss or data damage.
- produce an accurate and printed medical records

MATERIALS AND METHODS

The diagram below (Figure 1) depicts the stages and phases of the development of Medical Record Management System of Baung Health Center. It entails requirements planning, prototyping, testing, and cutover.



Figure 1. Rapid Application Development

Technology Used

The front end of the system was developed using the VB.NET programming language, an object-oriented language that offers a vast set of features for creating highperformance, scalable applications. In addition, the proposed system utilized MySQL for the backend, an open-source database management system known for its robust features and scalability. The database provided efficient data storage and retrieval mechanisms for managing large volumes of patient data.

System Requirements

User Requirements:

- Computer Literate
- Authorized personnel of the agency

Software Requirements:

- Operating system
- Microsoft Windows 10
- Microsoft Visual Basic .Net 2013
- XAMPP
- MySQL
- Microsoft Office

Hardware Requirements:

- Monitor
- Keyboard
- Mouse
- Minimum of 10GB Hard Disk Drive





Figure 2. Operational Flowchart

RESULTS AND DISCUSSION

Once the necessary data and information were obtained, the system was designed, programmed, and tested. The following are some examples of forms. Based on the process, the system user selects from the available transactions (Figure 3).



Figure 3: The Log in

The user will be required to enter their correct login credentials (e.g., username and password). Otherwise, the system will display Message box indicating an invalid username or password with the remaining login attempts left.

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Figure 4: The home page

The home page of the system contains the calendar, summary of population, summary of 0- 71 months' records, pregnancy, and illness cases

0	MEDICAL RECORD MANA	SOMENT SYSTEM	I DE BAUNG HEA	UTH CONTOR					May 1	9, 2024	10:04:3	9 am
		MRMS RE	SIDENTS INFOR	IMATION								
		Add New	Lit of Asset	465 5	γd'Aquiation	Tandered /	Decessed Resident	s Search:				
	1	LAST NAME	PRETAME	MODE	ECENSION NAME	DATE OF BREN	ADZ	021023	CVILISING	EDUCATIONAL ATTAINMENT	AUROX.	CATSON
	ateria	60H	wio	OWER		0/01/2002	11	1942	3462	DURTHOUT	1	16001
		28AOUE	1048	OMPOIRA.	5A	18/06/1940	24	inii	UNARED	CLUBE (ROUTE	1	4001
ft		BAGBA	RELA	ADVE		14/05/1967	82	1942	WIND	CLUXING	1	4001
		HER.	0.4980	WM.		14/04/2022	11	1943	9464	CLUBERROOM	1	46071
-		RURGIR	K10PE	COICERO		22/04/2002		842	UNDLE	CLARENCUS	4	4001
1	E-71M0096	BARCH.	GHG	Geno		18/05/1990	34	1944	AnneD	0.0004041	1	46091
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ş		NENCA	tan ja	SISONG		20/06/2001		842	INCE	HEHEORE BA.	5	46001
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Figure 5: Residents Information Form

It contains elements such as buttons (Add New (Figure 5.1), List of Households (Figure 5.2), Summary of Population (Figure 5.3), and Transferred/Deceased Residents (Figure 5.4)), a table containing all the records of the residents, and a search bar to search for a table

containing all the records of the residents, and a search bar to search for a particular resident.

LAST NAME	OVIL STATUS
	SINGL
RRST NAME	EOUCATIONAL ATTAINMENT
	COLLEGE GRADUATE
MIDDLE NAME	CATEGORY
	MEWBERS
DITENSION NAME	PUROK
	· .
DATE OF BIRTH	HOUSEHOLD NO.
Sunday , 19 May 2024	•
AGE	HEAD OF THE FAMILY
GENDER	
NRE	 Canol See

Figure 5.1: Add New Residents Information form

Here, the user can add a resident's basic information and indicate their category (Member or Household Head). If the resident is a household member, the interface will appear as shown in Figure 5.4.1, allowing the user to either type the Household Head's name to automatically populate the Household No. textbox, or vice versa. However, if the category is Household Head, the "Head of the Family" combobox will not be shown, and the user will Household number instead. type the Additionally, a minor feature is incorporated where the age calculation based on the birthday is included, reducing errors in the record.

				_						_
AST NAME	FIRST NAME	MIDDUE	EXTENSION NAME	DATE OF BIRTH	AGE	GENDER	OWIL STATUS	EDUCATIONAL ACTIVITYMENT	PUROK	CAT
Charley	wild	CUMEDAN		87/01/5000	22	MALE	BAD.E	COULIER BAADURE	1	HEAD
6274	CLIPPORE	TMAK		38/04/3000	10	MALE	BAD.E	COULIER BAADUATE	1	HEA
864	KIMPLE	CONDERC		21/04/2002	10	MALE	21012	COULERE BRADUATE	4	HEA
ARDA	9749	CASTRO		28/05/1990	34	FENELE	NAMED	COLLEGE SAADUATE	1	HEA
UCAB	TONETE	UV		23/05/2023	1	MALE			1	HEA
ROTACA	RIAN JAY	5080%6		20/08/2001	22	MALE	3752.5	HONSCHOOL BAA	5	HEA
4	MARK DIS.	RABASIO		24/07/3002	25	MALE	3193.8	COLUMN SAADUAR	2	HEA
101040	JACE AVM C	MORISADO		65/18/2002	11	FENRE	940.0	COULDED BAADUARE	3	164
1										
() Tatal House	hold T	iotal Families								

Figure 5.2: List of Households

This displays the list of household heads, and when clicked, it will show Figure 5.2.1 with complete and more detailed information about

a household.

View Hou	sehold Detai	s					lose
HOUSEHOLD 23456764	NUMBER						
HEAD OF THE	FAMILY GING, CASTRO EBERISA	0			тота	L FAMILY MEMBER	SE 2
LAST NAME	FIRST NAME	MIDDLE	EXTENSION NAME	DATE OF BIRTH	AGE	GENDER	CIV ST
DIMAGIBA	JANE	GARCIA		19/05/2004	20	FEMALE	SIN
DIMAGIBA	GINO	GARCIA		19/05/2000	24	MALE	SIN
)

Figure 5.2.1: View form of Household's details

Here, detailed information about one household is displayed. It includes the household head, household number, household members, their details, and the total number of household members.

PURCK	MALE	FEMALE	HOUSEHOLD	NAMILIES	POPULATION
01	5	1	6	6	6
02	1	0	1	1	1
08	0	1	1	1	1
04	1	0	1	1	1
05	1	0	1	1	1
06	0	0	0	0	0
				0	

Figure 5.3: Summary of Population form

This shows a detailed summary of the population per purok, including the number of males and females, households, and families per purok.

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earth: 🗌										
INT NAME	TIRST NAME	MIDDLE NAME	EXTENSION NAME	DATE OF BETTE	AGE	GENELOR	0101,554705	BOLGENOME. APROVENT	PARK .	OFTER
0409.0		CONVERSE.	18.	18/08/1940	-	1943	same.	COLUMN SPICE	1	1870.07
due studies	matrix un	PONDE		14/06/1002	67	mad	LAURINE CO.	county products		1640.07
ral Decem		istal Transform	a							
1		1								

Figure 5.4: Transferred/Deceased Residents form

This shows the list of residents who have been transferred or deceased. It serves as an archive of such records to preserve data.



Figure 6: 0 – 71 Months form

In this form, there are buttons for adding new records for children aged 0-71 months (Figure 6.1), which will be displayed in the table. Additionally, there are buttons for medicine/vitamin distribution (Figure 6.2), filtering features for the 0-71 months records (either by purok or age group). It also includes boxes that display the total records by weight status, and a search bar to find a specific record.

LAST NAME		SEARCH:						
LUCAS				MICOLE	EXTENSION	DWITE OF	4.78	
FURST NAME		CALL PRANTE	Prints I readered	NAME	NAME	DIRTH		Pi, Mi
		10049	TONETTE			23/05/2023	1	1
Lav								
EXTENSION NAME								
	×.							
DATE OF BURTH								
Monday 15 May 2023	v							
304								
1.2 MONTHS								
PURCK								
	+							
WEIGHT								
2.9	(945)							
WEIGHT STATUS								
NORMAL	*							
HEIGHT		4						_
45	1000							

Figure 6.1: 0 – 71 Months form

Here, when the user clicks on a particular cell, that record will automatically populate the textboxes. The user can then add more details such as weight, weight status, and height of children aged 0-71 months.

0 - 71 Mon	the Medicine	/ Vitemin Di	stribution Rec	ordo					oo hoo
Parale		-	Ageles			section of			
Search:			ther by 0	ate: Sunday	18 May 18	00 <u>0</u> = ³⁶	No. 10 May		-
LAST NAME	ALC: NAME	MEDIE	EXTENSION NAME	GATE OF BATEN	ACE	PUROK	useriù	NEOCINE / VIDMIN GINEN	DATE GARN
	104871	-		10/06/0001				reasons	100,000

Figure 6.2: Adding 0-71 Months Distribution of Medicines/Vitamins Records

Here, the user will be able to add a new record by clicking on the table, and that record will populate the textboxes, enabling the user to add more details such as the medicine or vitamin to be given, as well as the date given.

۲	MEDICAL RECORD MARKA	INNER STREET	OF BAUNG HEA	TH CENTUR					May 19, 20	24	10:17:28 em
		-	IN COMMAND	XN6							
		add New	Summery	Pagaany	-	Parakt			-		
		Search:			Aug 10.00						
		UNIT NAME	ART WAR	BIOD FINANE	Billio .	ADE	ATTAMOUNT	PURCE	DELVERY	OF CRUMEN	N.A.BUT
		10010	10.540	cene	14/07/1490		CLEBERGUR		WORK, DR. YORK	14/12/1014	DEBACT.
н		-1070.000	105 1010	100501010	16,1112.003	а	10.000 (10.000		WORK IE ABY	0,5399	11011021
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Figure 7: Pregnancy Tracking

In this form, functionality is included such that clicking on the table of pregnancy records enables the user to modify a certain record (Figure 7.1), and the edited record will then be moved in the pregnancy archive. Additionally, there are buttons for adding a new pregnancy record (Figure 7.2), a summary of pregnant women by age group.

It also includes filters by purok and search functionality where users can search for a particular record.

LAST NAME	FIRST NAME	MIDDLE NAME
GARCIA	GING	CASTRO
DATE OF BIRTH	AGE	EDUCATIONAL ATTAINMENT
Friday ,18 May 1990	v 34	COLLEGE GRADUATE -
PUROK	TYPE OF DELIVERY	EXPECTED DAY OF DELIVERY
1	 VAGINAL DELIVERY 	 Tuesday , 18 February 2025 *
CONTACT NUMBER	PLACE OF BIRTH	DATE OF DELIVERY
09876543212	BAUNG, PLAT, CAGAVAN	Thursday , 20 February 2025 •
NAME OF CHILD		
JANE CASTRO GARCIA		

Figure 7.1: Updating Pregnant Record

When the pregnant woman has already delivered her baby, the user can then update the record, which will automatically remove it from the pregnant list and move it to the pregnancy archive.



Figure 7.2: Adding New Pregnant Record

To add a new pregnant record, the user should first select a woman from the table whose age is 13 or older. Then, upon clicking on her entry, the relevant information will be populated in the textboxes. Subsequently, the user can proceed to add further details regarding the pregnancy.



Figure 7.3: Summary of Pregnant Record

This section presents a pie chart depicting pregnant women by age group, which is effective for classifying teenage pregnancy.

Additionally, a filter by purok is included to determine which purok has the highest records of pregnancy, especially teenage pregnancy.

Prenancy A	Archive		Pursk:			• Load Res	rż.			Cox.
Searth										
NAVE	DAEOF Bath	榳	PUROX	CONTRUT NUMBER	ELCATONA. ATANNENT	THE OF DELINERY	EXPECTED Day of Delivery	NANE OF CHILD	DATE OF Delivery	PLACE OF DELINERY
GACHANCOL.	105/196	34	1	00764011	0.6990	WHEE	10005	HEREON.	200205	HALFRON.
MANUAL AC	100,020	74		control 1	WILDE PAVI.	NON LO D	alini'ana	Mederal.	apapad	penting of



The pregnancy archive form displays the updated

records from the update form (Figure 7.1) of women who have successfully delivered their babies.



Figure 8: Illness Records

In this form, the user can view the summary of illness cases by a pie chart (Figure 8.1) or by list (Figure 8.2). Before adding a new illness case, the user must first add an illness name in the "Illness Name" textbox and save it using the save button. If the user wishes to modify an illness (e.g., delete or update), they can click on the illness in the table, and it will be populated in the "Illness Name" textbox. Additionally, the user can add and view illness cases by clicking on the illness name in the table, which will make the "Add New" and "View Records" buttons appear (Figure 8.3).





This chart displays the total number of recorded illness cases. Additionally, the user

can filter the records by purok to further assess the cases in the barangay. Furthermore, a refresh button is incorporated to update the data on the chart after it is filtered by purok.

Purok:		 Last Reports 	Pirt Rearts			Cos
Search:]			
UAST NAME	FIRST MAKE	MCOLENANE	ECTENSION INVICE	DATE OF BIRTH	981	IUNESS NAME
RURGA	OWPE	09090		21/04/2002	NAE	#1973601
SURGRAUE	191	DMAGBA	9.	18/05/1940	IAI	H1973BOX
DELA GUERA	MAGELLAN	PONCE		18/05/1967	INE	HISTERON
SNG .	CHING	GROA		18/06/1990	RIAL	в



Here, the cases of illnesses are displayed in a list format, with a filter by purok also incorporated. Additionally, a print button is available if the user needs to generate a report.

te	💭 Update	Clear
	Add New	View Records



These two buttons will show different interfaces depending on which illness is clicked. For a special instance like "Hypertension," it will show an interface exclusive to Hypertension: adding a new case (Figure 8.4A) and viewing cases (Figure 8.5A). For other illnesses, it will show an interface for adding (Figure 8.4B) and viewing (Figure 8.5B) cases.

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ST NAME	FIRST NAME	MIDDLE NAME	EITENSION NAME	DATE OF BIRTH	GENDER
NBA/	Nic	CUAREBMA		07/06/2002	MAE
DWASBA	JAVE	GAREIA		19/05/2004	FEMALE
DWABBA	810	GARCIA.		15/05/2000	MALE
FER	CLIFFORD	TARA?		15/04/2002	MALE
NINGH	CMPE	CORDERIO		22/04/2002	MALE
SAICH	816	CASTRO		18/05/2990	FINALE
uos	oni Tunette	came UY		18/06/2000	FURLE
SACA LICKI REINCA	GINE TONETTE RINULAY	CALENCO LA SUBONG		18/06/2990 15/06/2013 20/08/2011	HUNLE MAE MAE
GACA LIDS RGROA RE	EINE TONETTE RIVOLAR MARK EL	UY SIBOVG NAA20		16/06/2000 15/06/2003 20/06/2001 26/07/2002	ADAKL MAE MAE MAE

Figure 8.4A: Adding Hypertensive Case

To add a new case of hypertension, the user should click on the specific resident, which will then show (Figure 8.4A.1). If the user has trouble finding a particular resident, they can use the search bar for easier access.

Daily Blood Pressure Monit	oring	Cese						
Blood Pressure Monitoring								
ame: GING CASTRO GARCIA								
ex: FEMALE								
ate of Birth: May 18, 1990								
DATE	AM	PM						
	BLOOD PRESSURE	BLOOD PRESSURE						
Monday ,20 May 2024 -	• / •	• / • •						
	BLOOD PRESSURE LEVEL	BLOOD PRESSURE LEVEL						
	Canal Ent							

Figure 8.4A.1: Adding New Hypertension Case

Here, the user will input the systolic and diastolic blood pressure of the person, and the blood pressure level will be automatically displayed based on these values. Additionally, hypertensive patients are required to be monitored in the morning (AM) and afternoon (PM), so the newly added record will be shown in Figure 8.5A.2.



Figure 8.5A: View form of the Hypertension Cases

Here, the list of recorded hypertension cases is displayed. The user can filter records by purok, and the total number of records can also be seen. Additionally, when a record is clicked from the table, (Figure 8.5A.1) will appear. Moreover, this form includes a button to view the patients under monitoring (Figure 8.5A.2).

	Province of Cagayan Municipality of Plat	
BU	OOD PRESSURE MONITORING	E.
NAME: JUAN DIMAGIBA DELA CRUZ SR.	SEX: MALE	BIRTHDAY: May 18, 1940
DATE RECORDED	AM	PM
May 38, 2034	120/140	

Figure 8.5A.1: Detailed Blood Pressure Monitoring of a Patient

In this form, the user can view the monitoring details of a patient's blood pressure. Additionally, the user can print the detailed report.





Hypertensive patients are required to be monitored. By clicking on a particular hypertensive patient from the table, their detailed monitoring information will be displayed (Figure 8.5A.2.1).

Daily Blood Pressure Monit	oring	Cose
	Blood Pressure Monitoring	
Name: KIMPEE CORDERD FURIGAT Sex: MALE Date of Birth: April 22, 2002		
DATE	AM	PM
5unday ,19 May 2024 -	BLOOD PRESSURE 90 • / 120 • BLOOD PRESSURE LEVEL • Cover International Coversion	BLOOD PRESSURE LEVEL

Figure 8.5A.2.1: Updating Blood Pressure Monitoring

The user will then be able to add the patient's systolic and diastolic blood pressure for the afternoon.

Iness Case Information							Dow
LAST NAME	SEARCH:						
GARCIA	LAST NAME	FIRST NAME	MIDDLE	EXTENSION	DATE OF BIRTH	AGE	PUROK
RIST NAME GING	AT-BA	NÎO	CUAREIMA		07/01/2002	22	1
M DOLE NAME	RETA	CL/F#080	344		16/04/3003	22	1
CASTRO					to buildings		
EXTENSION NAME	10450	Care)	CONDERD		11/04/2001	64	
	. GROA	GING	CAETRO		18/05/1990	н	1
DATE OF BIRTH	LUCKS	TONETTE	UY		15/05/2023	1	1
Friday ,18 May 1990 AGE	* AKSINCA	RALAY	SUBONG		20/08/2001	22	5
34	M	MARKOL	RABHCO		26(07)2002	21	2
PUROK	UNGRANO	JACE ANNE	MORSHOD		06/30/3002	21	1
1	*						
BLOOD PRESSURE 90 / 00 BLOOD PRESSURE LEVEL	•						
NORMAL BLOCO PRESSURE	v.						
DATE TODAY							
Sunday ,19 May 2024	*						
DIAGNO515	_						
18	•						
Canad							

Figure 8.4B: Adding New Illness Case

This is the interface for adding a new illness case when it is not "Hypertension." A table consisting of residents' information is provided, and when clicked, the data will be populated in the textboxes. Then, the user can add further information like blood pressure, with the blood pressure level automatically displayed based on the values. Additionally, the date is automatically set to "Today" as the actual date the case was recorded. Moreover, the diagnosis is automatically populated based on the clicked illness from Figure 8.



Figure 8.4B: Viewing Illness Cases of a Specific Illness clicked on in Figure 5.7.

0	MOCH, RECEIP MANA	GEMENT VYSTEM OF BAUNCHERETH CENTER	May 20, 2024	01:25:22 pm
		MRMS PRIVITING REPORTS		
	(Match Tayler, 2017 A 1 1000000 An Annoo CP A 4 1000000 An Annoo CP A 4 1000000 An Annoo VAMPERIOR, 180000 Annoo - 11 school service - 11 school service		
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Here, the user will choose a particular report from the combo box. For example, "List of All Residents."

Select Repor	E LIST OF ALL R	13-00M75	• Lot Root	Search							Print Report
LAST NAME	FIRST NAME	MODUE	EXTENSION NAME	DATE OF BIRTH	ASE	GENDER	CVIL STATUS	EDUDITIONE ATAM/DVT	RUROX	HOUSEHOLD NO	residenti0
-	wio	CUARDINA		67/01/3902	22	1943	1961	COLLEGE GAND	1	002223	52
DM4084	JANE .	GARDA		29/05/3004	20	704A.E	sindud	0018000440	1	11490784	ø
DANGEN	ono	GARCA		28/08/3000	28	104.3	snoul	COLLEGE GAND	1	21490768	10
ren.	CURROND	344		36/04/2012	11	1943	5%64	COLLEGE SAND	1	001122	56
64KON	6M6	048790		16/05/1990	14	TINAL	MAND	0048080440	1	11490784	55
LID6	10475	UV .		15/05/3520	1	1943			1	999677	63
ri i	mate bi.	NBH00		34/07/3002	31	104.2	INGU	COLLBON DAVD.	1	112200	59
UNDRAND	305-996	MORGADO		05(30)3002	21	RIAL	smoul	COLLBON GRAD	1	111344	62
NAGH .	KMPE	CORDERO		23/94/2002	12	WAL	5961	00118080440	4	10+455	61
Manca	1961.48	5.804		21/06/3001	-	104.2	snout	H0H304001	5	06.0223	12

Figure 9.1: Printing Reports

The selected report will be displayed here. Additionally, a search feature will appear so that if the user needs to generate an individual report, they may do so by clicking on the record of the specific person. Moreover, the Print button will also appear as soon as the report is shown in this table.

CONCLUSION AND RECOMMENDATIONS

Based on the findings, the researchers conclude that the Medical Record Management System of Baung Health Center is accurate, up-to-date, and contributes to the advancement of computerization within the health center, thereby streamlining its operations. The system proves highly effective in adding personal information and updating reports for residents, providing easy access to each resident's medical records within the health center. Given the functionality of the system, the researchers strongly recommend the adoption and utilization of the Medical Record Management System at Baung Health Center.

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