**Table 1**. Respondent response duriWehang the survey

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| **Questions** | **PHC (n= 113)****n (%)** | **UPS (n=25)****n (%)** | **DHO/CHO (n= 4)****n (%)** |
| Among the two systems – Offline and Online – which one do you prefer?ONLINEOFFLINE | 93 (82.3) 20 (17,7)  | 24 (96.0) 1 (4.0)  | 4 (100) 0 (0.0)  |
| Do you carry out any other work/duties besides SIMUNDU?NoYes | 3 (2,7) 110 (97,3)  | 3 (12.0)22 (88.0) | 0 (0.0)4 (100) |
| Who is the main person in charge of doing data entry to SIMUNDU in your office?MyselfOther | 96 (85.0) 17 (15.0)  | 18 (72.0)7 (28.0) | 3 (75.0)1 (25.0) |
| How long have you been in charge of entering immunization data using SIMUNDU?<1 year1-2 year2-3 year3-4 year>4 year | 8 (7.1) 7 (6.2) 16 (14.2) 17 (15.0) 65 (57.5)  | 5 (20.0)15 (60.0)1 (4.0)1 (4.0)3 (12.0) | \* |
| How long have you been in charge of managing SIMUNDU?<1 year1-2 year2-3 year3-4 year>4 year | \* | \* | 1 (25.0)0 (0.0)0 (0.0)0 (0.0)3 (75.0) |
| 23. Of the several items below, which ones you can operate to support work at SIMUNDU? Excel spreadsheetExtract file Export-import fileEmail/browsingOther*Respondent allows selecting more than one response.* | 61 (23.6)42 (16.3)58 (22.5)92 (35.7)5 (1.9) | 14 (32.6)4 (9.3)6 (14.0)18 (41.9)1 (2.3) | 1 (20.0)1 (20.0)1 (20.0)2 (40.0)0 (0.0) |
| **Barrier perception** |  |  |  |
| Have you ever had difficulty operating SIMUNDU?YesNo | 93 (82.3) 20 (17.7)  | 16 (64.0)9 (36.0) | 2 (50.0)2 (50.0) |
| When experienced with difficulties in operating SIMUNDU, with whom you discuss to ask solutions?Puskesmas / PHCDistrict health officeDIY health officeOther (staff in other health facilities)*Respondent allows selecting more than one response.* | 17 (9.6)73 (41.0)66 (37.1)22 (12.4) | 13 (56.6)6 (26.1)2 (8.7)2 (8.7) | 0 (0.0)0 (0.0)2 (100)0 (0.0) |
| Are you satisfied with the follow-up taken from the results of the consultation?NoYes | 1 (1.1)92 (98.9) | 0 (0.0)16 (100) | 0 (0.0)4 (100) |
| **Report Timeliness** |  |  |  |
| In SIMUNDU OFFLINE that has been running so far, have you sent the report according to the specified date?NoYesI’m operating SIMUNDU online.  | 17 (15.0)87 (77.0)9 (8.0) | 4 (16.0)21 (84.0)0 | 1 (25.0)3 (75.0)0 (0.0) |
| On the SIMUNDU OFFLINE. Did you experience any obstacles in the SIMUNDU data entry on time?NoYes | 67 (59.3)46 (40.7) | 16 (64.0)9 (36.0) | \* |
| On the SIMUNDU OFFLINE. Did you have any obstacles in reporting SIMUNDU data on time?Difficulties on the export file Difficulties on email or sending files Difficulties in the extracted file Other | 10 (17.2)13 (22.4)9 (15.5)26 (44.8) | 4 (36.4)02 (18.2)5 (45.5) | \* |
| Pada SIMUNDU ONLINE, when do you input your baby/toddler data into SIMUNDUThe same day after the service is finished<1 week after serviceOne week - 1 month after service> 1 month after service | 37 (25.7)50 (34.7)48 (33.3)9 (6.3) | 4 (16.0)10 (40.0)10 (40.0)1 (4.0) | \* |
| In the ONLINE system, do you have any obstacles in entering data in SIMUNDU timely?NoYes | 52 (46.0)61 (54.0) | 14 (56.0)11 (44.0) | \* |
| In OFFLINE systems – in 5 scales. How many do you assess the timeliness of the reports you have provided so far?12345 | 0 (0.0)3 (2.7)36 (31.9)60 (53.1)14 (12.4) | 1 (4.0)1 (4.0)9 (36.0)12 (48.0)1 (8.0) | 0003 (75.0)1 (25.0) |
| **Data Accuracy** |  |  |  |
| Have you ever found the data entered at SIMUNDU to be different from the data in the immunization service register?NoYes | 29 (25.7)84 (74.3) | 14 (56.0)11 (44.0) | \* |
| **Data verification** |  |  |  |
| Have you ever verified the data between the data in SIMUNDU and the data in the immunization service register?NoYes | 5 (4.4)108 (95.6) | 8 (32.0)17 (68.0) | \* |
| When is data verification done?MonthlyBimonthlyThree monthsSemesterOther | 42 (38.9)4 (3.7)23 (21.3)17 (15.7)22 (20.4) | 10 (58.8)2 (11.8)1 (5.9)1 (5.9)3 (17.6) | \* |
| **Data completeness** |  |  |  |
| According to you, are there a lot of menus/items to input into SIMUNDU?NoYes | 51 (45.1)62 (54.9) | 18 (72.0)7 (28.0) | \* |
| In your opinion, is the completeness of the menu/item entries in SIMUNDU important?NoYes | 1 (0.9)112 (99.1) | 2 (8.0)23 (92.0) | \* |
| **SIMUNDU accessibility** |  |  |  |
| Do you agree with the statement that "SIMUNDU is easy to operate?AgreeDisagree | 108 (95.6)5 (4.4) | 23 (92.0)2 (8.0) | 4 (100)0 (0.0) |
| Did you analyse the SIMUNDU data?NoYes | 26 (23.0)88 (77.0) | \* | 0 (0.0)(4 )100) |
| **Over/Under reporting** |  |  |  |
| Do you have any experience finding data on children/babies in the Immunization Service Register that are not reported to SIMUNDU?NoYes | 36 (31.9)77 (68.1) | 13 (52.0)12 (48.0) | 0 (0.0)4 (100) |
| Do you have the experience of finding children data in the Immunization Service Register that entry with more than one?NoYes | 38 (33.6)75 (66.4) | 15 (60.0)10 (40.0) | 1 (25.0)3 (75.0) |
| According to you, does under or over-reporting have an impact on the achievements of the immunization program?No Yes | 5 (4.4)108 (95.6) | 1 (4.0)24 (96.0) | 1 (25.0)3 (75.0) |
| **Facility and infrastructure**  |  |  |  |
| What type of computer do you most use to enter data in SIMUNDU?Private laptopLaptop – office facilityPC – office facilityPC - privateHandphoneOther | 41 (36.3)38 (33.6)32 (28.3)002 (1.8) | 4 (14.8)4 (14.8)11 (40.7)0 (0.0)7 (25.9)1 (3.7) | 1 (25.0)2 (50.0)1 (25.0)0 (0.0)0 (0.0)0 (0.0) |
| Does your current computer/handphone/laptop support your work on operating SIMUNDU? NoYes | 11 (9.7)102 (90.3) | 0 (0.0)25 (100) | 1 (25.0)3 (75.0) |
| Where are your internet sources from?NoneOffice facility (Wifi)Data packages pay with their own moneyData packages paid by the office Other*Respondent allows selecting more than one response* | 0 (0.0)102 (64.6)48 (30.4)1 (0.6)7 (4.4) | 0 (0.0)21 (67.7)9 (29.0)01 (3.2) | 3 (75.0)1 (25.0)000 |
| Is the internet facility that you use, suit your needs for data entry SIMUNDU? NoYes | 18 (15.9)95 (84.1) | 2 (8.0)23 (92.0) | 1 (25.0)3 (75.0) |
| Where is the source of your electricity?PLNGensetNoneOther*Respondent allows selecting more than one response.* | 114 (80.9)27 (19.1)00 | 25 (80.6)6 (19.4)00 | 4 (100)000 |
| Do you have any problems with electricity during SIMUNDU entry?NoYes | 78 (69.0)35 (31.0) | 24 (96.0)1 (4.0) | 4 (100)0 |
| From your side, what are the obstacles in SIMUNDU reporting?It is difficult for data entry at SIMUNDUDo not have timeHave another assignmentMy computer skill is poorNever received SIMUNDU trainingOther*Respondent allows selecting more than one response* | 7 (3.7)18 (9.4)95 (49.7)37 (19.4)11 (5.8)23 (12.0) | 2 (6.1)7 (21.2)16 (48.5)3 (9.1)2 (6.1)3 (9.1) | 01 (20.0)2 (40.0)01 (20.0)1 (20.0) |
| **Managerial Process** |  |  |  |
| Do you know the purpose of SIMUNDU development in DIY?NoYes | 18 (15.9)95 (84.1) | 6 (24.0)19 (76.0) | 04 (100) |
| Have you ever participated in SIMUNDU in house training?NoYes | 14 (12.4)99 (87.6) | 7 (28.0)18 (72.0) | 1 (25.0)3 (75.0) |
| When did you last take part in the SIMUNDU in house training?< 1 year ago> 1 year ago | 42 (42.4)57 (57.6) | 11 (61.1)7 (38.9) | 02 (100) |
| Which institution conducts SIMUNDU in house training, that you ever attended?Puskesmas (PHC)District/City health officeDIY health officeOther *Respondent allows selecting more than one response* | 0 (0.0)56 (38.9)88 (61.1)0 (0.0) | 2 (8.0)15 (60.0)7 (28.0)1 (4.0) | 0002 (100) |
| What training guides are used during training?PPTWord – hard copy Word - soft fileOther | 80 (49.1)32 (19.6)36 (22.1)15 (9.2) | 12 (56.1)2 (9.5)2 (9.5)5 (23.8) | 2 (50.0)1 (25.0)1 (25.0)0 |
| Have you ever been monitored and evaluated regarding SIMUNDU?NoYes | 10 (8.8)103 (91.2) | 6 (24.0)19 (76.0) | 04 (100) |
| In the last year (July 2019-July 2020), how many times monitoring and evaluation been conducted?>2 timesOne time1-2 times | 17 (16.5)57 (55.3)29 (28.2) | 2 (10.5)11 (57.9)6 (31.6) | 2 (50.0)1 (25.0)1 (25.0) |
| Who did monitor and evaluation SIMUNDU on your place? Puskesmas (PHC)District/City health officeDIY health officeOther *Respondent allows selecting more than one response* | 11 (7.0)81 (51.3)65 (41.1)1 (0.6) | 11 (39.3)8 (28.6)8 (28.6)2 (3.6) | 004 (100)0 |
| Did you receive any feedback on the results of the SIMUNDU monitoring and evaluation?NoYes | 6 (5.8)97 (94.2) | 0 (0.0)19 (100) | 04 (100) |
| Who gave feedback on the M&E results?Puskesmas (PHC)District/City health officeDIY health officeOther *Respondent allows selecting more than one response* | 7 (4.6)73 (48.3)69 (45.7)2 (1.3) | 10 (40.0)8 (32.0)6 (24.0)1 (4.0) | 004 (100)0 |
| In the last year ((July 2019 - July 2020), have you ever monitored the health facility under your supervision?YesNo | \* | \* | 4 (100)0 |
| Have you ever participated in the dissemination of M&E results as well as updating knowledge?NoYes | 28 (24.8)85 (75.2) | 16 (64.0)9 (36.0) | 04 (100) |
| Who is organizing the dissemination of M&E results as well as updating the knowledge?Puskesmas (PHC)District/City health officeDIY health officeOther *Respondent allows selecting more than one response* | 3 (2.5)53 (44.2)63 (52.5)1 (0.8) | 0 (0.0)6 (60.0)4 (40.0)0 (0.0) | 01 (25.0)3 (75.0)0 |

\*data not applicable