

Supporting document: Rowan Hillson submission

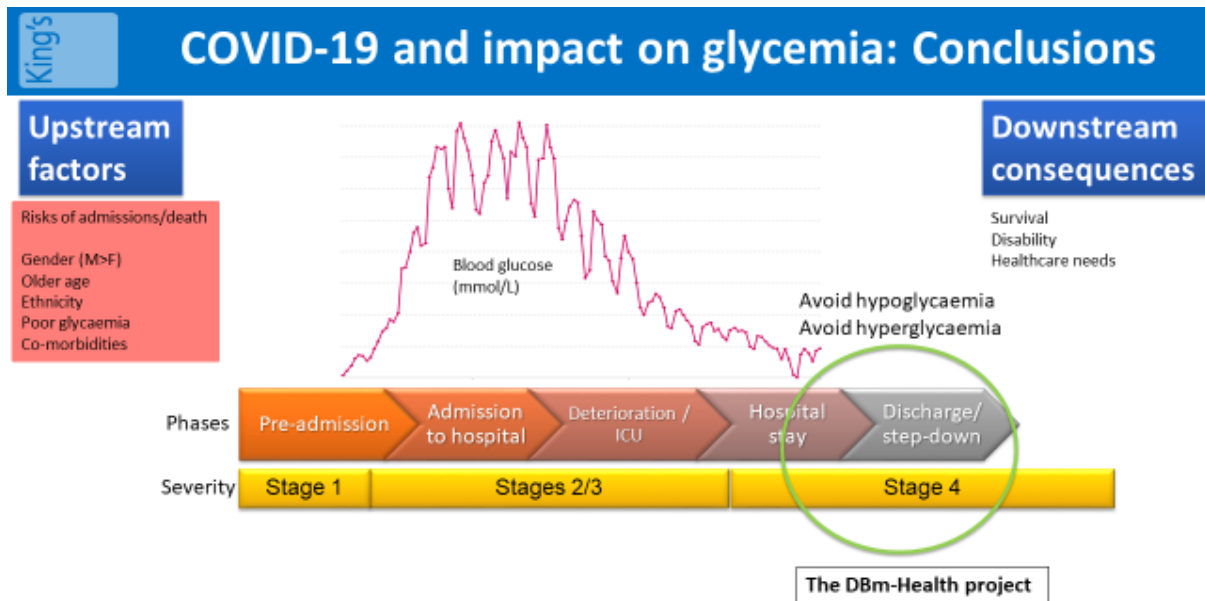
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Contents:

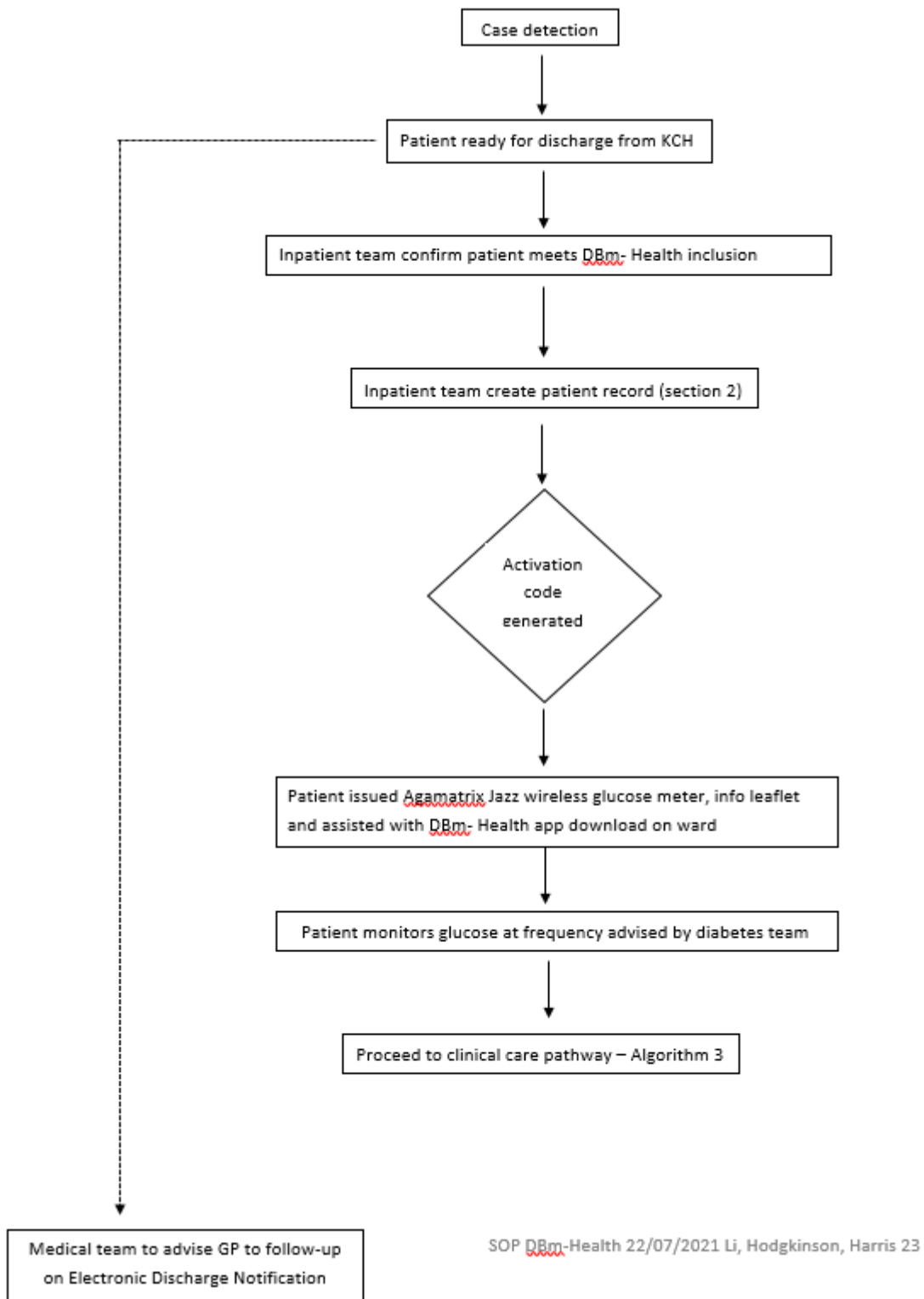
1. Infographic
2. Trust Standard Operating Procedure (SOP) algorithm
3. Messaging interface
4. Example real life patient dashboard
5. Demographic breakdown
6. HbA1c improvement: DBm group vs comparator group

1. Infographic demonstrating concept of DBm-Health



@OGMustafa

2. Trust SOP



3. The messaging functionality of DBm-Health

Sep 2021 All readings are in mmol/L

	Pre-breakfast	Post-breakfast	Pre-lunch	Post-lunch	Pre-dinner	Post-dinner
30 Thu	6.6 08:35	--	--	--	--	8.6 23:22
<p>Ermioni Gkogkosi sent the patient a message @16:54</p> <p>Dear [REDACTED] Continue with Humulin I - 12 units pre breakfast tomorrow. Then reduce Humulin I to 7 units pre breakfast on Saturday and Sunday. On Monday self administer Humulin I - 17 units pre breakfast with your Dexamethasone. If you don't have the tablets in the morning though, you could have Humulin I - 7 units pre breakfast and extra 10 units with your Dexamethasone later. Have a good weekend.</p>						
29 Wed	11 09:00	--	--	--	--	13.7 20:58
<p>Ermioni Gkogkosi sent the patient a message @16:51</p> <p>Dear [REDACTED] I have just had a look at your BG levels. I would advise tomorrow to self-administer Humulin I - 12 units pre breakfast and continue to monitor your BG levels twice per day. Have a good afternoon. DSN : Eri</p>						
28 Tue	12.5 08:15	--	--	--	--	--
<p>Ermioni Gkogkosi sent the patient a message @12:42</p> <p>Dear [REDACTED] Lovely to talk to you again. I would advise tonight to check your BG level at bedtime but I don't think you are going to need any insulin. Tomorrow morning I would recommend to self-administer Humulin I - 15units pre breakfast but if your BG levels are within target (green) then you could also try Humulin I - 12 units pre breakfast. Talk to you tomorrow. Have a nice afternoon. DSN Eri</p>						
27 Mon	10.1 09:21	--	--	--	--	15.4 20:40
<p>Ermioni Gkogkosi sent the patient a message @13:31</p> <p>Dear [REDACTED] I hope you had a good weekend. Your BG levels were perfect during the weekend. Today is Dexamethasone day so I would advise to self administer 4 units of Humulin I at bedtime if BG level above 15mmol/l but do not administer any Humulin I if BG level below 15mmol/l. Tomorrow morning I recommend to administer Humulin I - 15 units pre breakfast. I will give you a call tomorrow.</p>						

4. Demonstration of improvement in glycaemia over one week

	Pre-breakfast	Post-breakfast	Pre-lunch	Post-lunch	Pre-dinner	Post-dinner
20 Mon	6.2 10:03	--	--	--	--	7.9 00:51
19 Sun	--	--	6.1 13:34	--	--	6.3 01:27
18 Sat	6.1 09:43	--	5.2 13:45	--	7.4 21:51	15.9 00:29
17 Fri	6.1 10:07	--	4.9 13:36	--	7.6 21:49	7.8 00:27
16 Thu	--	--	--	--	--	16.4 00:44
15 Wed	--	--	11.1 13:32	--	8.7 22:12	10.7 00:08
14 Tue	7.2 10:11	--	10.4 13:51	--	10.6 22:05	--
13 Mon	--	--	6.9 14:11	--	7.6 21:53	11.1 23:54
12 Sun	4.6 10:08	--	7.2 14:42	--	14.1 22:25	18.3 00:16

5. Latest demographic data

Patient characteristics	N (%)
Sex	
Male	50 (60)
Female	33 (40)
Age	
18-24	2 (2.4)
25-34	7 (8.4)
35-44	16 (19.3)
45-54	26 (31.3)
55-64	22 (26.5)
65+	10 (12.1)
Ethnicity	
White	29 (34.9)
BAME	48 (57.8)
Asian/Asian British	5 (6.0)
Black African/Black Caribbean/Black British	32 (39.0)
Mixed/Multiple Ethnic Groups	11 (13.3)
Not Stated	6 (7.3)
Diabetes Status	
Pre-existing diabetes	55 (66.3)
Non pre-existing diabetes	28 (33.7)
Type 1	4 (4.8)
Type 2	66 (79.5)
Other	13 (15.7)

6. HbA1c data

