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Kudde Gesondheids Verslag / Herd Health Report

VOORBERG GEVANGENIS

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Test-day: 2025-06-02

Holstein Cows

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HERD HEALTH SUMMARY REPORT

VOORBERG GEVANGENIS - Holstein Cows

Table 1: Summary for Test-day 2025-06-02 (Number of Samples Tested: 52)

Analysis	Results	Norms*	% Cows outside norms*
Milk Production (kg)	Avg.: 22.7 Median: 22.0		
Butterfat (%)	Avg.: 3.19 Median: 3.03	3.5 % - 6.0 %	Too Low: 87 % Too High: 2 %
Protein (%)	Avg.: 3.44 Median: 3.34	3.0 % - 4.5 %	Too Low: 17 % Too High: 4 %
Lactose (%)	Avg.: 4.53 Median: 4.52	> 4.7 %	Too Low: 77 %
MUN (mg/dl)	Avg.: 14.70 Median: 14.40	8 - 16 mg/dl	Too Low: 0 % Too High: 29 %
SCC (x1000/ml)	Avg.: 245 Median: 56 % < 100 : 71.2 % % < 200 : 80.8 % % < 500 : 92.3 % % > 750 : 5.8 % % > 1 000 : 5.8 % % > 1 500 : 5.8 %	< 200 > 64 % > 75 % > 92 % < 4.8 % < 1 % NONE	Too High: 0 % Too High: 0 % Too High: 0 % Too High: 1.0 % Too High: 4.8 % Too High: 5.8 %
Butterfat Protein ratio	Average: 0.9	> 1.0	Too High: 86.5 %

Table 2: Quantification of Specific Cases (% of herd) and Loss in Production on 2025-06-02

Loss in Production due to:		Avg/Median SCC (Number (n)):	
SSC (kg per day):	55.0 (4.7 %)	1st Lact Cows:	499/63 (5)
DIM (kg per day):	511.5 (43.3 %)	2nd Lact Cows:	45/26 (10)
No. of Cows Under Pressure:	4 (7.7 %)	3rd Lact Cows:	229/63 (19)
No. Cows with SCC > 200k:	10 (19.2 %)	4th Lact Cows:	81/56 (7)
No. Cows with SCC > 750k:	3 (5.8 %)	5th Lact Cows:	714/266 (6)
No. New Infections:	6 (11.5 %)	6+ Lact Cows:	123/138 (5)
No. Recurring Infections:	2 (3.8 %)	Avg. SCC for SCC > 750k (n):	2782 (3)
Cure Rate for SCC > 200k:	46.2 % (6)	Avg. Days In Milk (DIM) for Herd:	298
Cure Rate for SCC > 750k:	60.0 % (3)	Median of DIM for Herd:	286
No. Chronic Infections (SCC > 200k):	2 (3.8 %)	Avg. DIM for SCC < 200k (n):	293 (42)
No. Chronic Infections (SCC > 750k):	1 (1.9 %)	Avg. DIM for SCC > 200k and < 750k (n):	355 (7)
No. of Possible Ketosis Cases:	0	Avg. DIM for SCC > 750k (n):	238 (3)
No. of Possible Acidosis Cases:	45	Avg. Parity for Herd:	3
Avg. Age at First Calf (Months):	28	Avg. Parity for SCC < 200k:	3
Avg. Inter-Calf Period (Days):	537	Avg. Parity for SCC > 200k and < 750k:	4
No. Flushings:	NA	Avg. Parity for SCC > 750k:	3
No. Embrios:	NA		

Table 3: Benchmark: Herd with the Top 25%, Average and Bottom 25% for different traits tested the last month of for Holstein Cows

	Milk Production (kg)	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)
Herd	22.7	3.19	3.44	4.53	245	14.70
Top 25%	36.8	4.87	3.87	4.81	44	18.80
Breed Avg	29.2	4.25	3.57	4.61	357	13.81
Bottom 25%	20.9	3.64	3.26	4.48	314	8.90

*** PLEASE CONSULT YOUR VETERINARIAN, PROFESSIONAL ANIMAL SCIENTIST or LogixMilk TECHNICAL ADVISOR for the interpretation of these results and professional advisory services.**

Table 4: Summary of Somatic Cell Counts per Lactation Group in the herd for 52 Holstein Cows

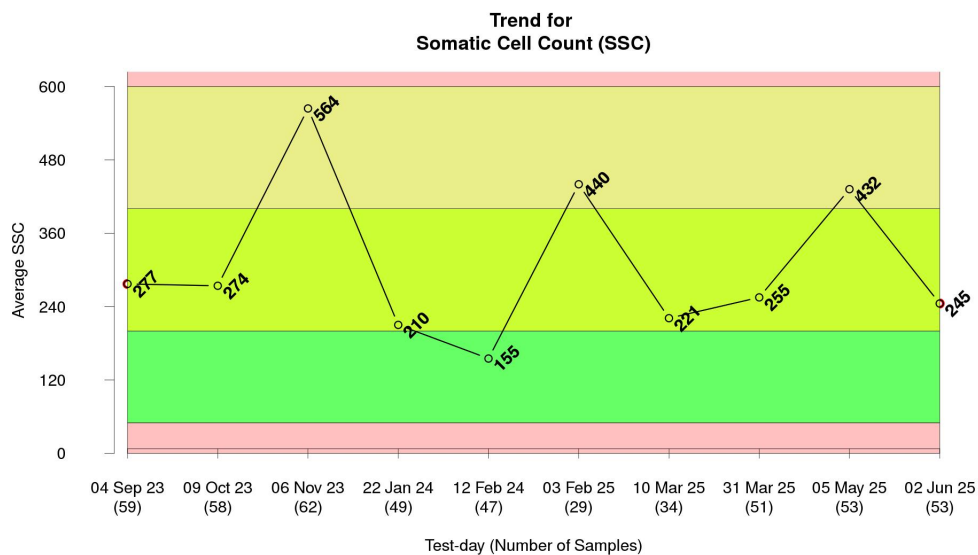
Lactation Group	% of Herd	Early Lactation	Mid Lactation	Late Lactation	% SCC > 200k	% SCC > 750k
1	9.6% (5)	0.0% (0)	0.0% (0)	9.6% (5)	1.9% (1)	1.9% (1)
2	19.2% (10)	5.8% (3)	1.9% (1)	11.5% (6)	1.9% (1)	0.0% (0)
3	36.5% (19)	5.8% (3)	3.8% (2)	26.9% (14)	3.8% (2)	1.9% (1)
4	13.5% (7)	5.8% (3)	3.8% (2)	3.8% (2)	1.9% (1)	0.0% (0)
5	11.5% (6)	0.0% (0)	5.8% (3)	5.8% (3)	7.7% (4)	1.9% (1)
6+	9.6% (5)	3.8% (2)	0.0% (0)	5.8% (3)	1.9% (1)	0.0% (0)
Herd	99.9% (52)	21.2% (11)	15.3% (8)	63.4% (33)	19.1% (10)	5.7% (3)

Table 5: Somatic Cell Count (SCC) Analysis: Percentage (Number) of Cows within Stage of Lactation and Lactation Group for SCC > 200k and SCC > 750k for 52 Holstein Cows

Lactation Group	Early Lactation		Mid Lactation		Late Lactation	
	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k	% SCC > 200k	% SCC > 750k
1	0% (0)	0% (0)	0% (0)	0% (0)	20.0% (1)	20.0% (1)
2	0.0% (0)	0.0% (0)	100.0% (1)	0.0% (0)	0.0% (0)	0.0% (0)
3	0.0% (0)	0.0% (0)	50.0% (1)	50.0% (1)	7.1% (1)	0.0% (0)
4	0.0% (0)	0.0% (0)	50.0% (1)	0.0% (0)	0.0% (0)	0.0% (0)
5	0% (0)	0% (0)	33.3% (1)	33.3% (1)	100.0% (3)	0.0% (0)
6+	0.0% (0)	0.0% (0)	0% (0)	0% (0)	33.3% (1)	0.0% (0)

Table 6: Bulk Tank Results for 2025-06-02 (Number of Samples Tested: 1)

Tank No	Butterfat (%)	Protein (%)	Lactose (%)	SCC (x1000/ml)	MUN (mg/dl)	pH
Calculated Tank	3.13	3.37	4.53	260	15	
56 Tank	4.44	3.38	4.54	153	20.1	

**Figure 1:** Somatic Cell Count (SCC) Trend

The average Somatic Cell Count (SCC) and the trend over time is shown in the graph. The ideal is a herd with an average count of less than 200 000. A higher SCC results in lower milk production and possible udder infection. If animals with high SCC can be identified early, they can be treated in time, thereby preventing production loss and permanent udder damage resulting in lower herd life.

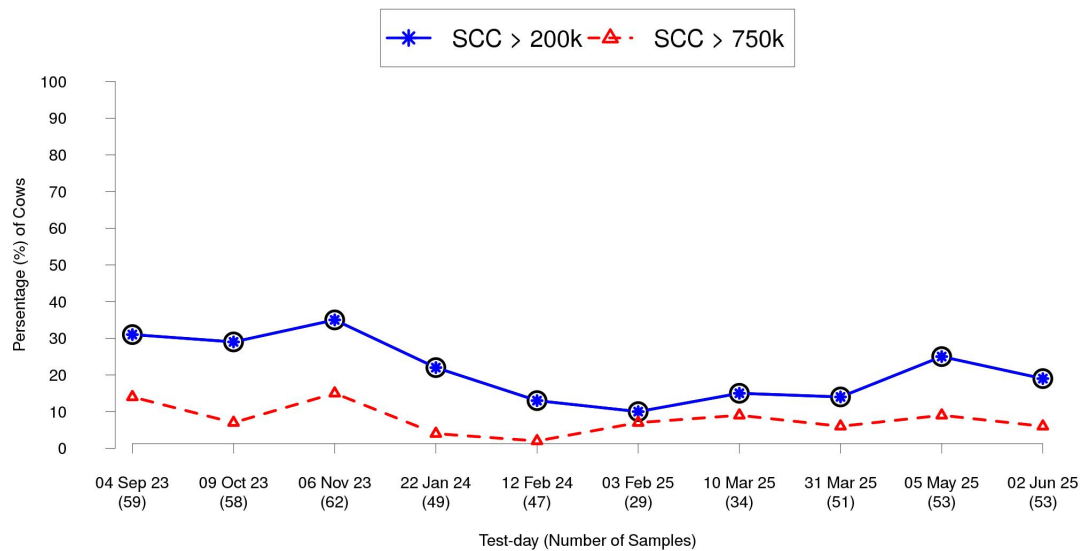


Figure 2: Percentage (%) of Cows with Somatic Cell Counts (SCC) more than 200k and 750k, respectively, per Test-day

The graph presents the trend of the % of cows with Somatic Cell Counts (SCC) more then 200k and 500k, respectively. The ideal is to have as few cows as possible with a SCC of more than 200K and none with a SCC of more than 750k.

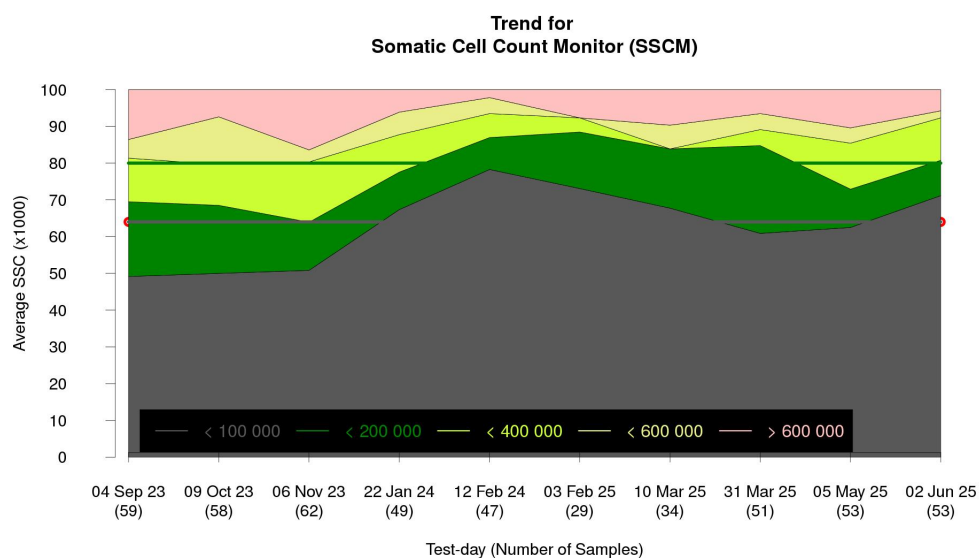


Figure 3: Somatic Cell Count (SCC) Monitor Trend

The graph shows the percentage of cows within certain Somatic Cell Count (SCC) levels. Ideally, at least 64% of the cows of a herd should have a SCC of less than 100 000 and 80% a SCC of less than 250 000. The danger zone is indicated in red, where ideally no cows should be indicated.

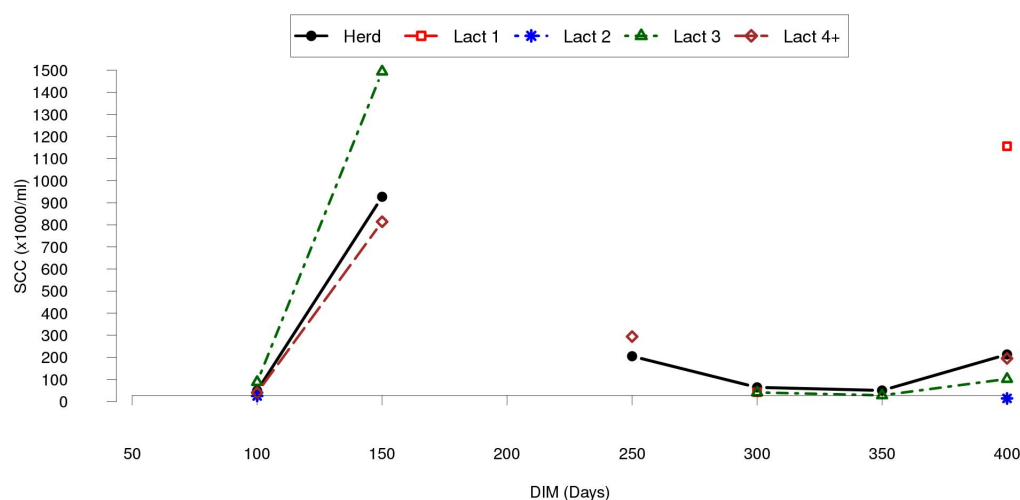


Figure 4: Average Somatic Cell Counts (SCC, x1000/ml) per Day In Milk (DIM)

This graph indicates the average Somatic Cell Counts (SCC, x1000/ml) per day in milk (DIM) for the complete herd, as well as for Lactation 1, 2, 3 and 4+ cows, separately.

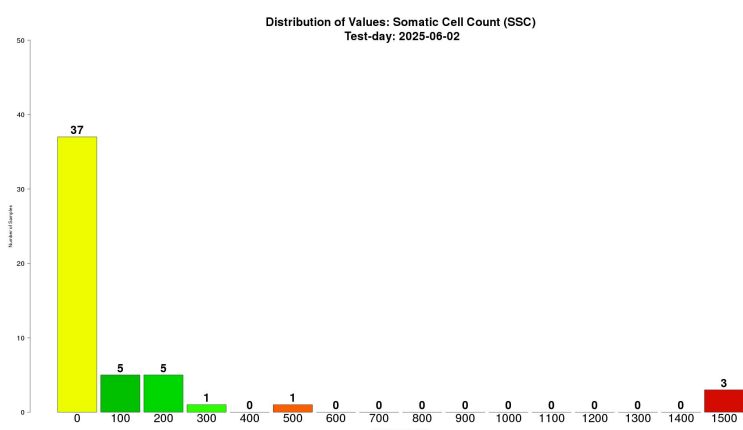


Figure 5: Somatic Cell Count (SCC) Distribution for Test-day (2025-06-02)

The graph depicts the number of animals within certain levels of Somatic Cell Counts (SCC). If the cows with SCCs higher than 600 000 can be identified early, they can be treated or even culled from the herd, preventing economic losses due to penalties paid for high SCCs in the milk.

Table 7: Somatic Cell Count (SSC) distribution and Milk Loss Monitor 2025-06-02

SSC Levels	< 100k	100k - 200k	200k - 500k	500k - 800k	800k - 1 500k	> 1 500k
Number Cows	37	5	6	1	0	3
% Cows	71.2 %	9.6 %	11.5 %	1.9 %	0.0 %	5.8 %
Milk Quality	Excellent	Very Good	Needs Improvement	Poor	Serious	BAD
% Milk Loss	< 2 %	2 - 4 %	4 - 8 %	8 - 10 %	10 - 35 %	> 35 %
% Quarters Infected	< 1 %	1 - 6 %	6 - 16 %	16 - 26 %	26 - 48 %	> 48 %

The average Somatic Cell Count (SCC) on 2025-06-02 for the herd, was 245 000. This figure places the herd in the "Yellow" SCC Zone and the milk quality Needs Improvement. Milk loss due to SCC is between 4 and 8 %.

Udder Health: Mastitis infections are evident and needs slight improvement. Check all management and control measures.

Table 8: Cows Under Pressure (SCC > 500k and Lactose % < 4.6)

Cow ID	Name	SCC	Lactose %	DIM	Parity	Production
PB008	BACCA	3097	4.16	111	5	28
PB052	BREEZ	2972	4.52	115	3	29
PE024	ELLIS	2277	4.42	487	1	17
PA051	AMANDA	521	4.46	249	5	22

Table 9: Cows with Somatic Cell Counts > 200k (Status: N=New -, C=Chronic -, R=Recurring - and CR=Chronic and Recurring Infections)

Cow ID	Name	SCC 2025-06-02	SCC 2025-05-05	SCC 2025-03-31	Production	DIM	Parity	Status
PB008	BACCA	3097	4041	8	28	111	5	N
PB052	BREEZ	2972	41	20	29	115	3	N
PE024	ELLIS	2277	5102	798	17	487	1	C
PA051	AMANDA	521	1074	2091	22	249	5	C
PA026	AVANGER	305	-	108	20	400	5	N
PC016	CHAROL	264	121	4417	29	198	4	R
PZ007ZOLA	PZ007ZOLA	250	-	-	18	558	6	N
PE005	ERICA	244	9	60	23	146	2	N
PZ041ZOLAN	PZ041 ZOLANI	227	303	137	13	543	5	N
PD005	DOLLY	203	58	88	19	391	3	R

Table 10: Possible Ketosis Cases; Cows under 100 days in milk (Prot. Fat Ratio < 0.68 for Jerseys and < 0.74 for other Breeds)

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %	Breed
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Table 11: Possible Acidosis Cases (Protein % > Butterfat %)

Cow ID	Name	Production	DIM	Parity	Prot % to Fat %
PC024	CAMRY	23	350	3	1.27
PC014	CARNEY	15	690	3	1.24
PC023	CYREL	18	500	3	1.23
BIBI	PB030 BIBI	14	374	3	1.23
PF018	FEBS	20	286	1	1.21
PE035	EURO	19	387	2	1.21
PE034	EDWIN	20	249	2	1.21
PZ007ZOLA	PZ007ZOLA	18	558	6	1.21
PC013	CARLA	18	343	3	1.20
PF016	FLINK	16	299	1	1.20
PB051	BELIA	31	88	4	1.20
PZ036ZAKU	PZ036 ZAKUMI	22.6	131	5	1.19
PB038	BIANCA	28	116	4	1.18
PF009	FELIX	25	403	1	1.17
PE005	ERICA	23	146	2	1.15
PE024	ELLIS	17	487	1	1.15
PC036	CANON	22	274	3	1.14
PC042	COX	18	409	3	1.13
PD035	DON	18	362	2	1.12
PA051	AMANDA	22	249	5	1.12
PZ045ZAIN	PZ045 ZAIN	29	93	4	1.12
PC038	CHINA	24	206	4	1.12
PE054	PE 054 ECOVID	25	72	2	1.11
EMA	PE014	22	347	2	1.11
PC051	COCONUT	21	253	3	1.11
PC002	CANDICE	27	281	3	1.10
PF013	FREDA	16	347	1	1.10
PB002	BELINDA	19	721	3	1.10
PC050	CARRA	15	594	2	1.09
PB045	BERLIN	31	71	3	1.09
PB008	BACCA	28	111	5	1.09
PB052	BREEZ	29	115	3	1.07
PD005	DOLLY	19	391	3	1.07
BRUTUS	PB032 BRUTUS	32	76	4	1.07
PC016	CHAROL	29	198	4	1.07
PD017	DUDU	29	57	2	1.07
PA002ANEL	PA002 ANEL	24	136	5	1.07
PA007	AVON	30	86	6	1.05
PB054	BIKITA	19	398	3	1.04
PE001	EASY	32	56	2	1.04
PC007	CHARMA	28	72	3	1.03
PC018	CRISTY	20	411	3	1.03
PZ005ZETA	PZ005 ZETA	25	73	7	1.02
PB019	BONNY	23	457	4	1.01
PD016	DIPSY	27	624	2	1.01

Table 12: Dry Cows with a Dry Period more than 55 Days

Cow ID	Name	Breed	Last ICP	Avg. ICP	No. ICPs	Days Since Last Calf	Days Open
PB007	BELLS	HST	-	-	-	1427	1081
PC008	CANOLA	HST	349	349	1	1041	770
ZAJG180014	BRANDY PB023	HST	738	738	1	786	556
PB036	BELVA	HST	661	661	1	907	556
ZAJG190003	CANDY	HST	377	377	1	876	556
ZAJG130015	WILBO PW033	HST	538	492	5	1065	556
ZAJG150006	YOYO PY 009	HST	631	522	4	816	543
PY014	YEBO PY 014	HST	838	574	4	664	445
ZAJG170010	ANDRE	HST	613	515	3	692	445
PB004	BERYL	HST	374	410	3	668	445
PB005	BETTY	HST	383	420	3	686	445
ZAJG140003	PX014 XEROX	HST	487	511	5	764	445
ZAJG190031	DIMPO	HST	-	-	-	744	445
ZAJG210007	EFF	HST	-	-	-	636	445
ZAJG170003	PA004 ADEL	HST	448	499	3	790	445

Table 13: Cows with an active Inter-Calving Period (ICP) > 400 days

Cow ID	Name	Breed	Last ICP	Avg. ICP	No. ICPs	Days Since Last Calf	Production
PB007	BELLS	HST	-	-	-	1427	-
ZAJG130015	WILBO PW033	HST	538	492	5	1065	-
PC008	CANOLA	HST	349	349	1	1041	-
PB036	BELVA	HST	661	661	1	907	-
ZAJG190003	CANDY	HST	377	377	1	876	-
ZAJG150006	YOYO PY 009	HST	631	522	4	816	-
ZAJG170003	PA004 ADEL	HST	448	499	3	790	-
ZAJG180014	BRANDY PB023	HST	738	738	1	786	-
ZAJG140003	PX014 XEROX	HST	487	511	5	764	-
ZAJG190031	DIMPO	HST	-	-	-	744	-
ZAJG180002	BELINDA	HST	522	444	2	720	19
ZAJG170010	ANDRE	HST	613	515	3	692	-
ZAJG190009	CARNEY	HST	349	302	2	689	15
PB005	BETTY	HST	383	420	3	686	-
ZAJG190014	CANNY	HST	377	362	2	672	-
PB004	BERYL	HST	374	410	3	668	-
PY014	YEBO PY 014	HST	838	574	4	664	-
PC020	CARBY	HST	604	604	1	663	-
PA042	AMOS	HST	668	722	2	658	16
PD033	PD033 DRE	HST	-	-	-	650	-
ZAJG210007	EFF	HST	-	-	-	636	-
PD016	DIPSY	HST	438	438	1	623	27
ZAJG190026	CARRA	HST	483	483	1	593	15
ZAJG160004	PZ007ZOLA	HST	485	480	4	557	18
ZAJG190018	CHELSEA	HST	324	343	2	553	-
PZ041ZOLAN	PZ041 ZOLANI	HST	500	466	4	542	13
PY05	YIELD PY056	HST	542	441	5	500	18
ZAJG190015	CYREL	HST	550	439	2	499	18
ZAJG210008	ELLIS	HST	-	-	-	486	17
ZAJG180012	BONNY	HST	390	406	2	456	23
PC018	CRISTY	HST	594	480	2	410	20
ZAJG190023	COX	HST	339	424	2	408	18
ZAJG220009	FELIX	HST	-	-	-	402	25