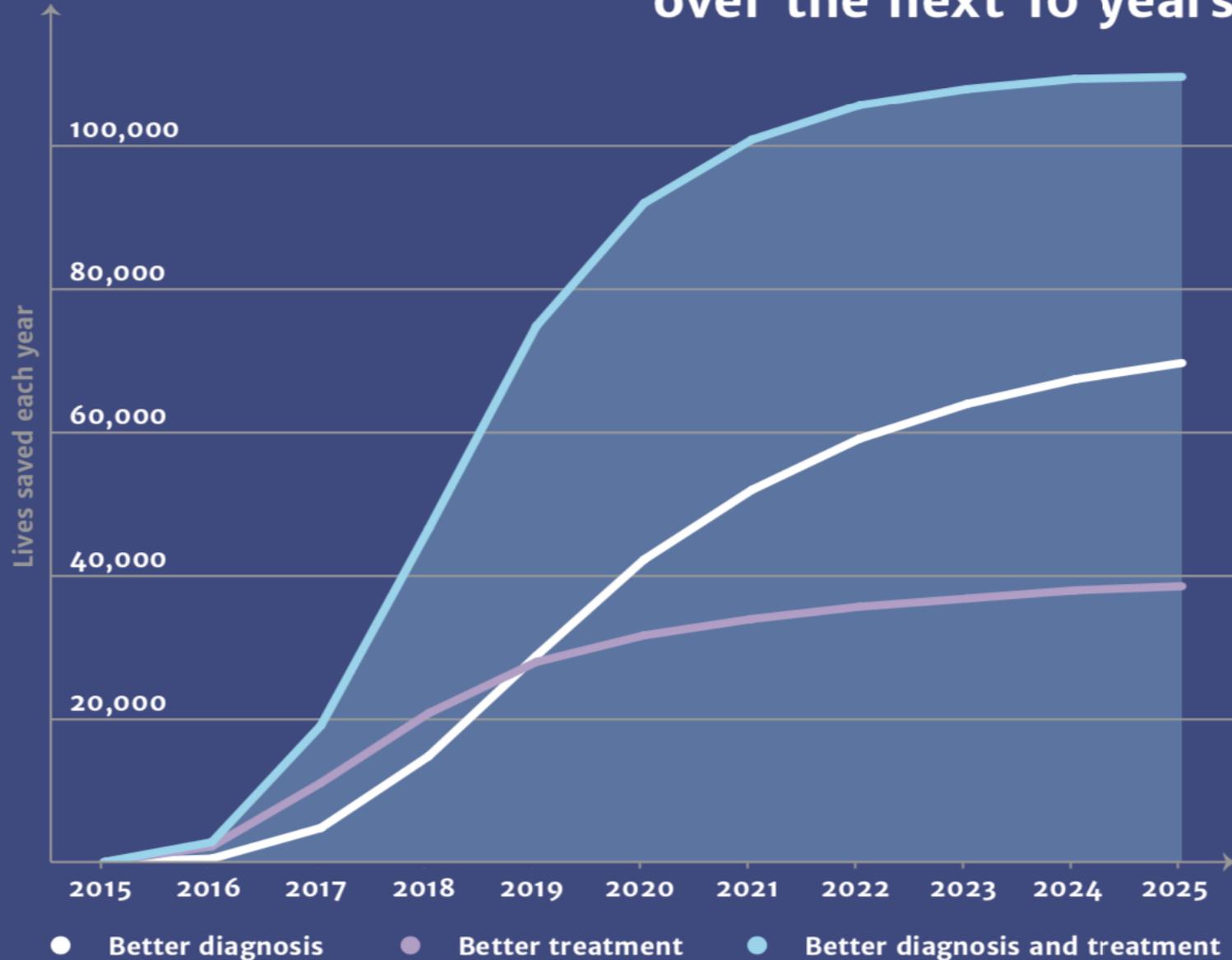


Monitoring antimicrobials in livestock production



770,000

lives could be saved
over the next 10 years

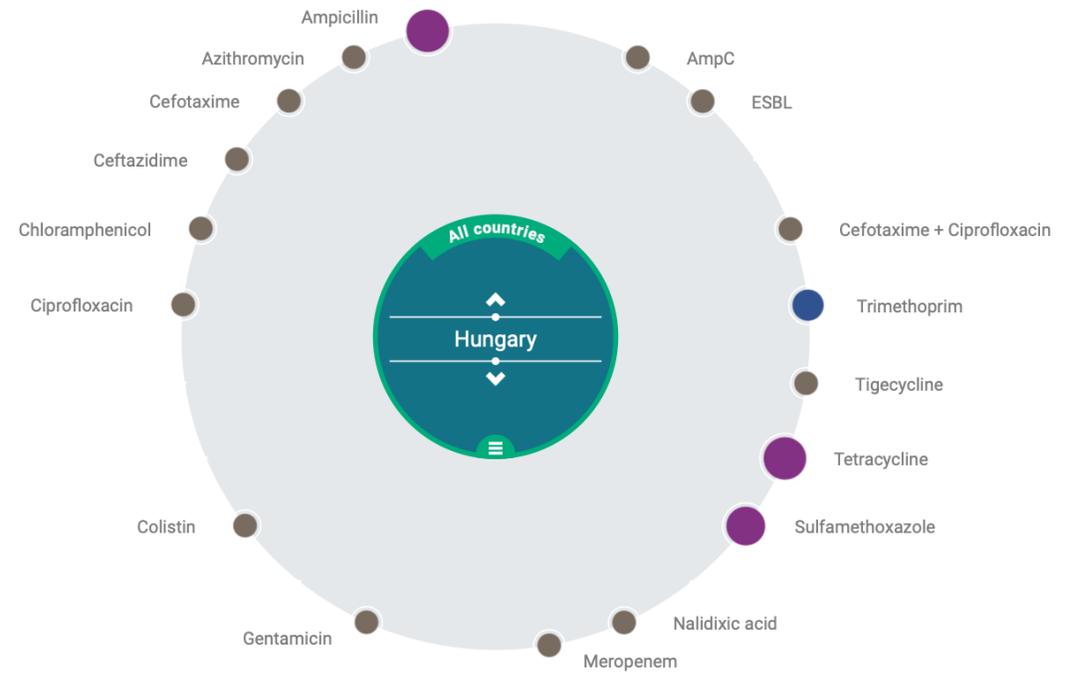
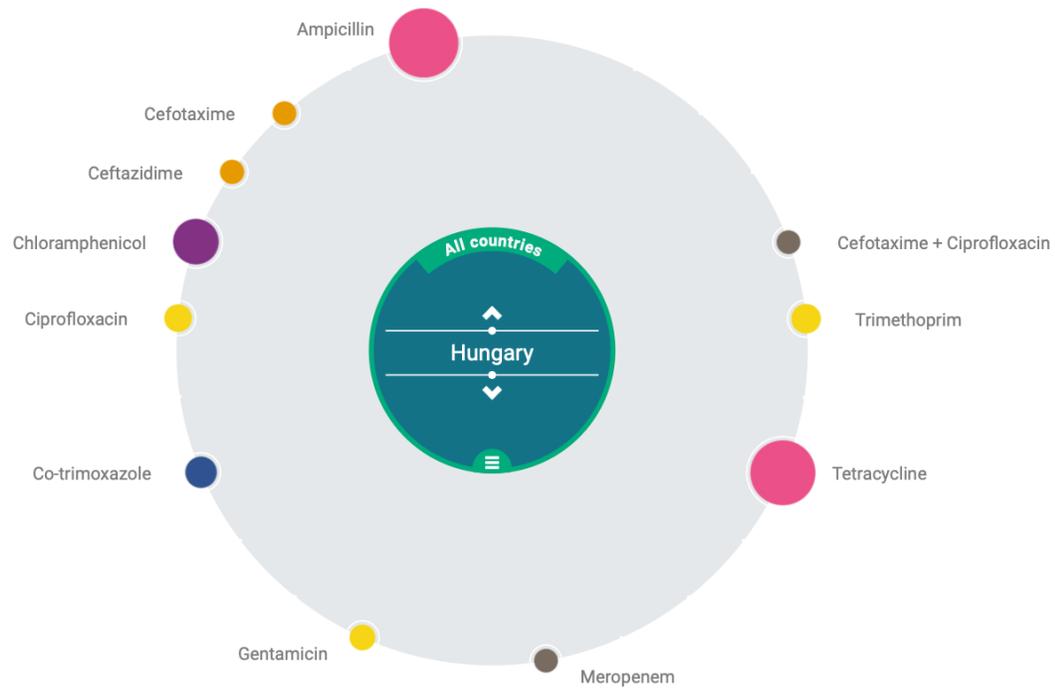


IF NOT TACKLED, RISING AMR COULD HAVE A DEVASTATING IMPACT



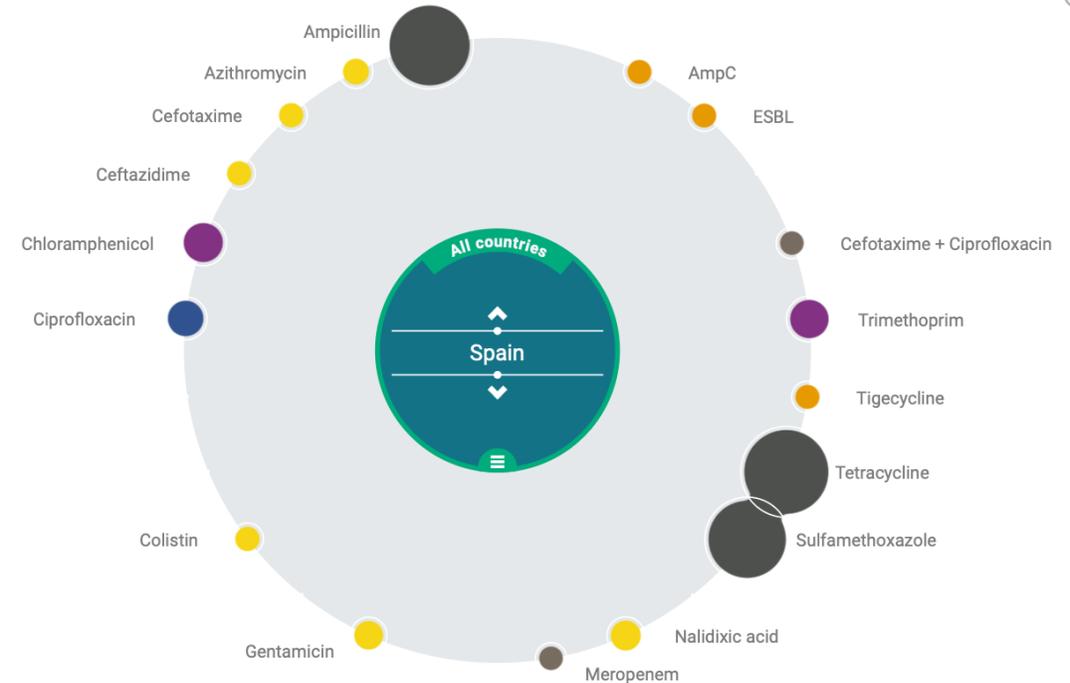
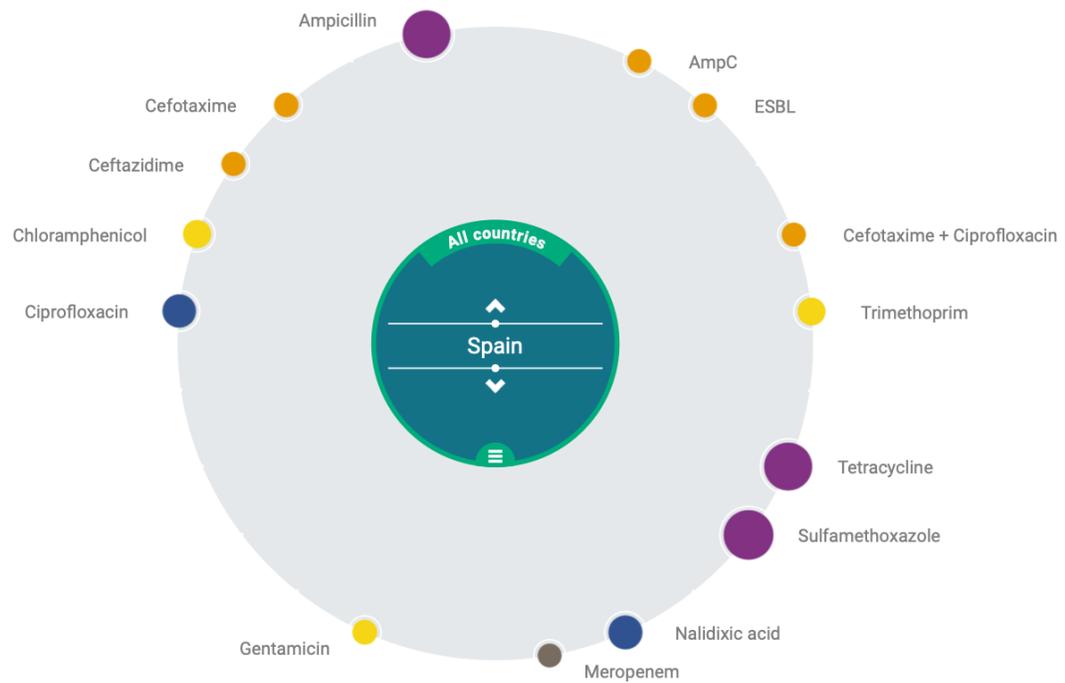
By 2050, the death toll could be a staggering **one person every three seconds** if AMR is not tackled now.

Source: Review's own analysis.



Level of resistance

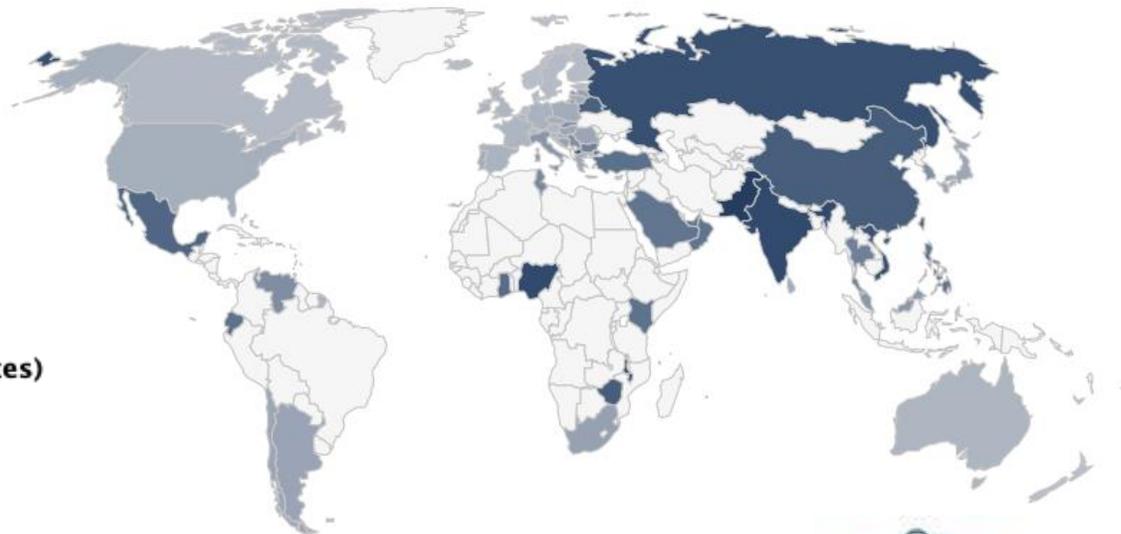




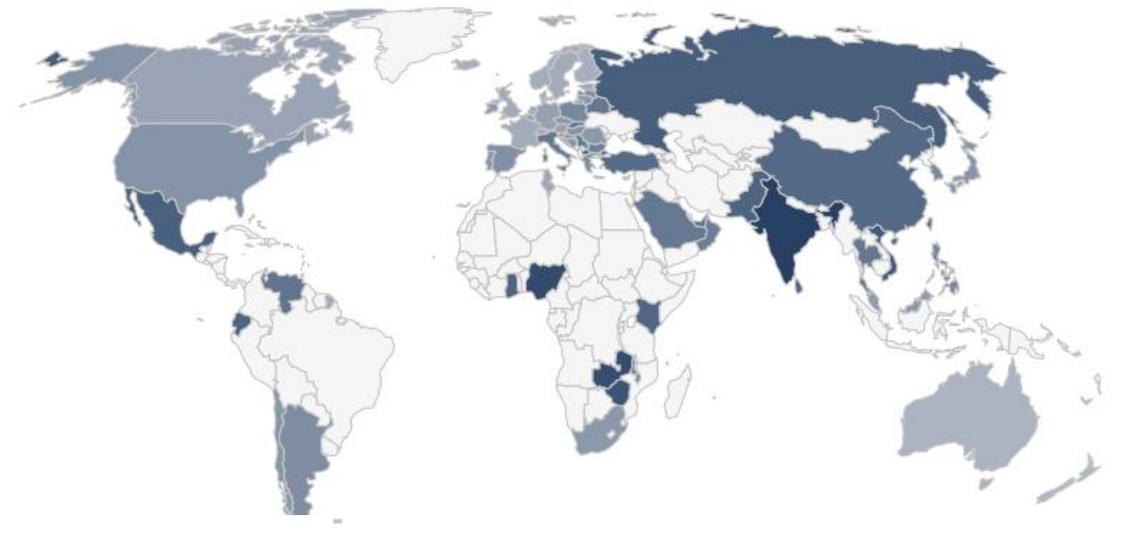
Level of resistance



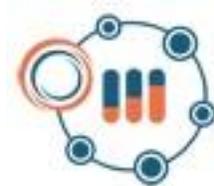
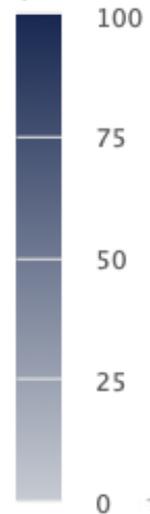
Resistance of *Escherichia coli* to Cephalosporins (3rd gen)



Resistance of *Escherichia coli* to Fluoroquinolones



% Resistant
(invasive isolates)

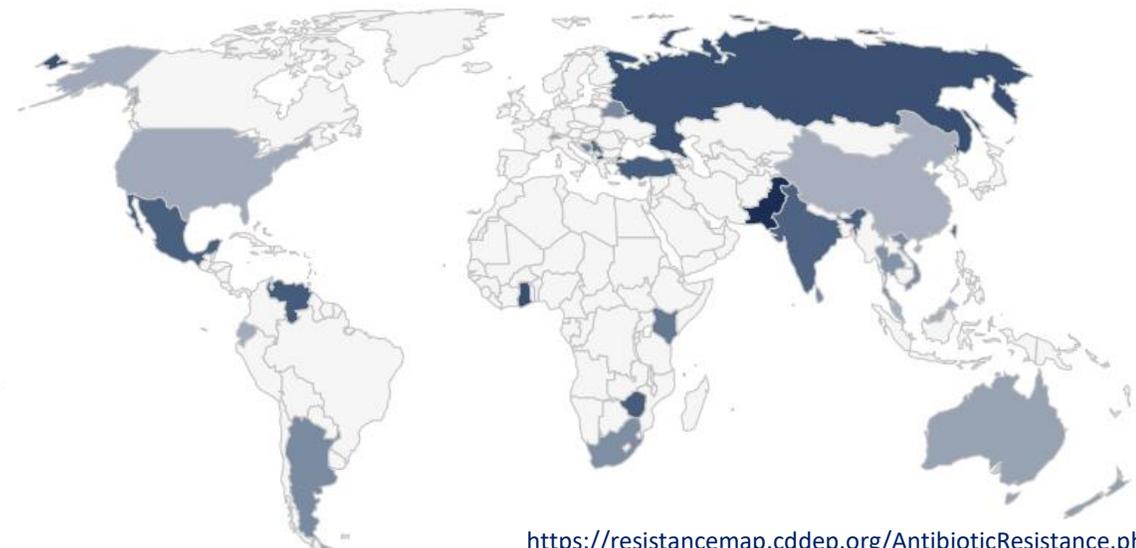


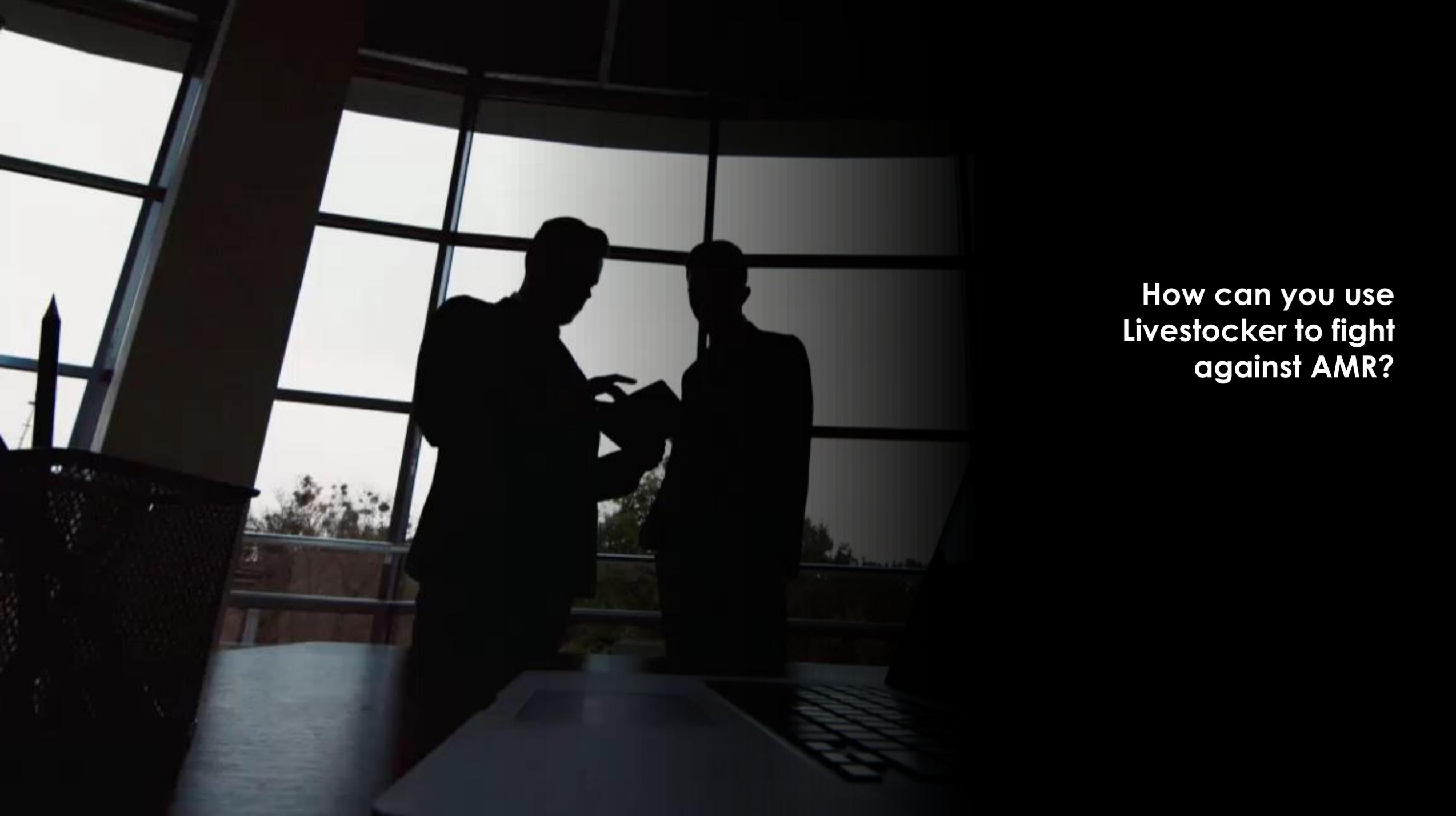
ResistanceMap

Resistance of *Escherichia coli* to Macrolides



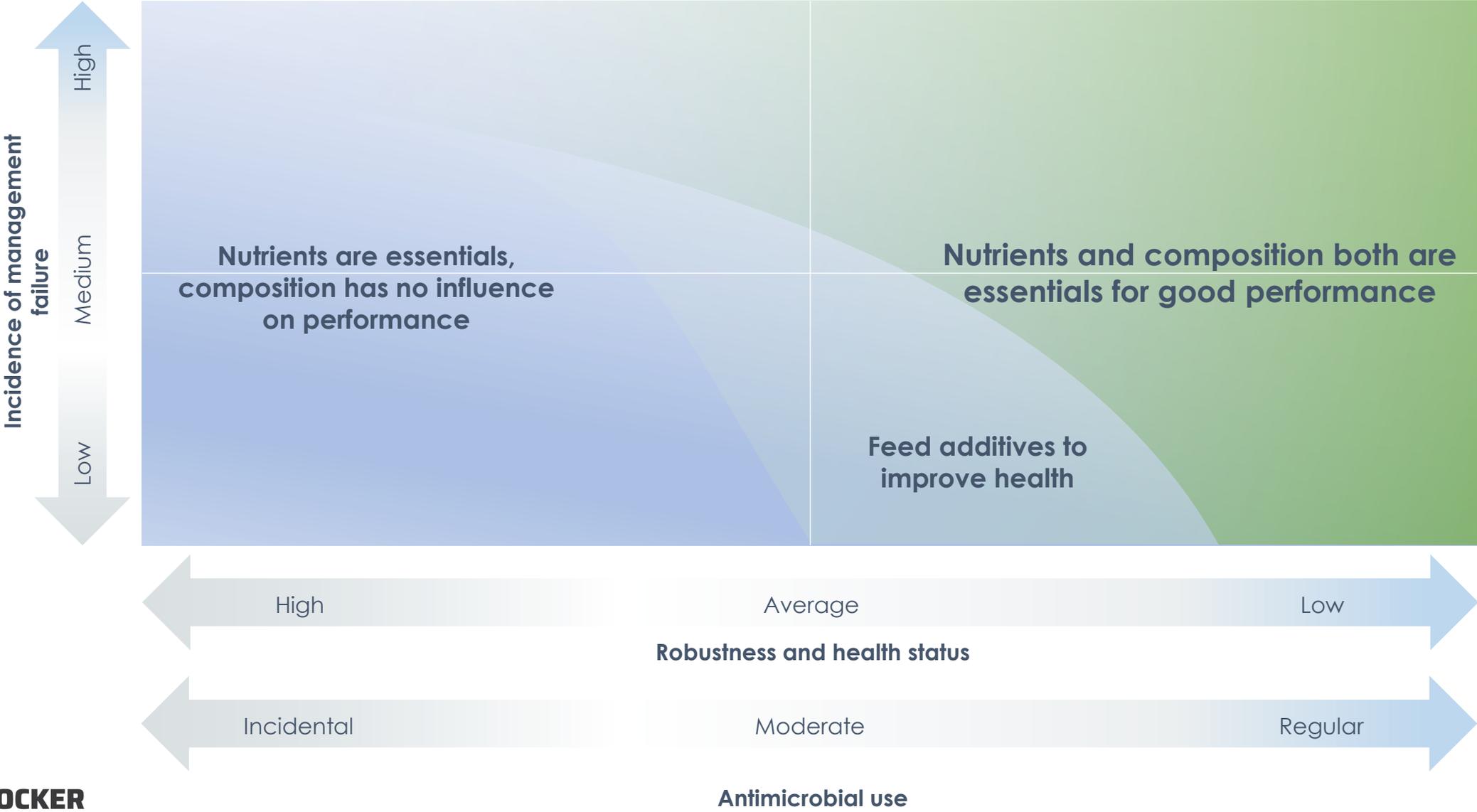
Resistance of *Escherichia coli* to Amoxicillin-clavulanate



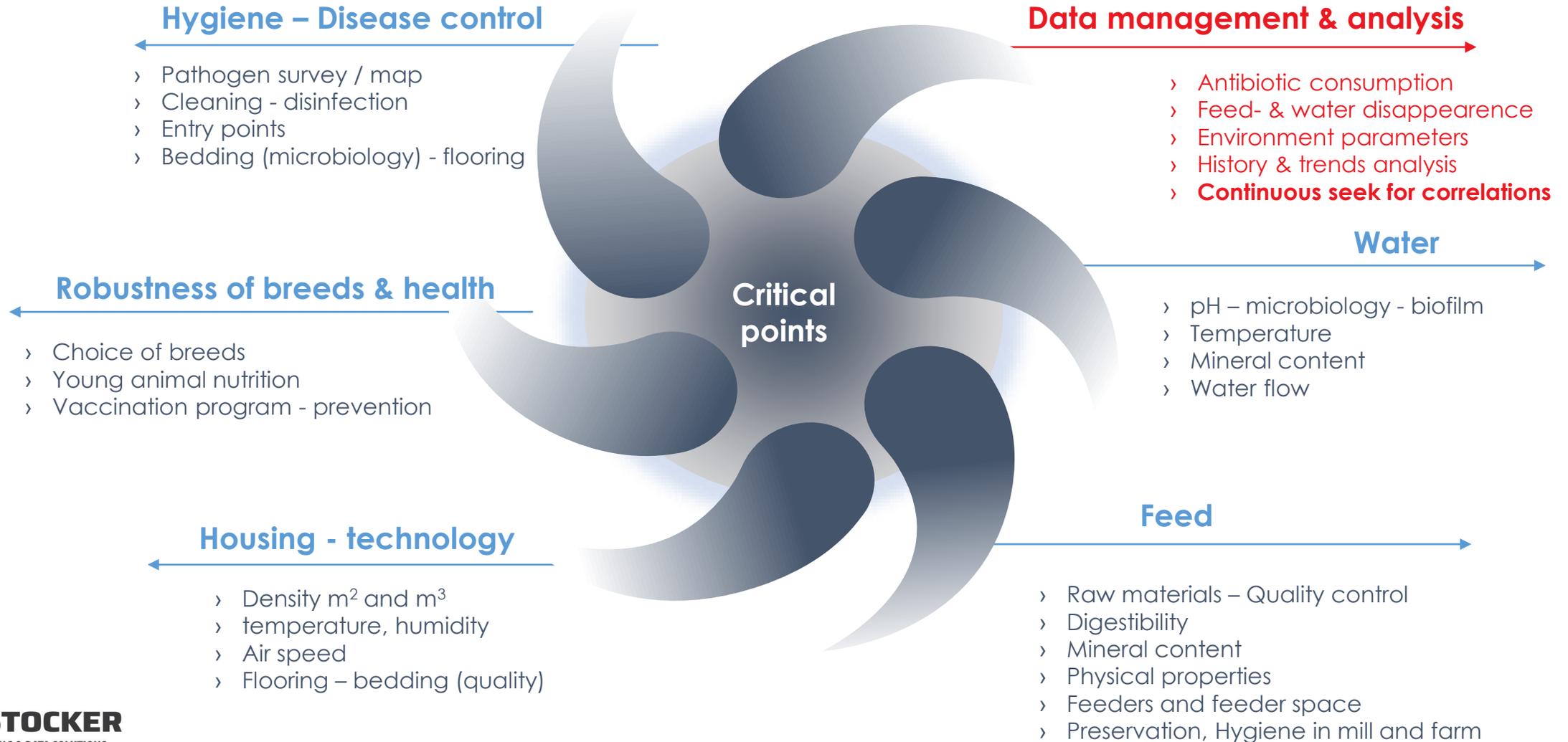


**How can you use
Livestocker to fight
against AMR?**

Theory



Focus areas to reduce antimicrobial use



What does happen with the farm data today?



A

NOTHING

...There is nobody to analyze it in structure

B

NOTHING

...No time to analyze or structurise

Strategy

- › Integrated system
- › Volatile market
- › Scenario Planning
- › Customers
- › Suppliers

- › Performance indicator
- › Financial reports, indicators
- › Periods – History - Trend
- › Benchmark
- › Efficiency control
- › Antimicrobial monitoring

Interpretation

LIVESTOCKER
SMART FARMING & DATA SOLUTIONS

Production

- › Real time information
- › Barn log book
- › Treatment log book
- › Production performance
- › Feed consumption
- › Integrated production system
- › Raw material management

- › Real time profit & loss
- › Outstanding
- › Liabilities
- › Livestock value
- › Monthly reports (internal & authorities)

Financials

No specific requirement for hardware

WEB BASED

01
Run on any browser
No need to install

SAFE

02
IBM Cloud
Microsoft Azure

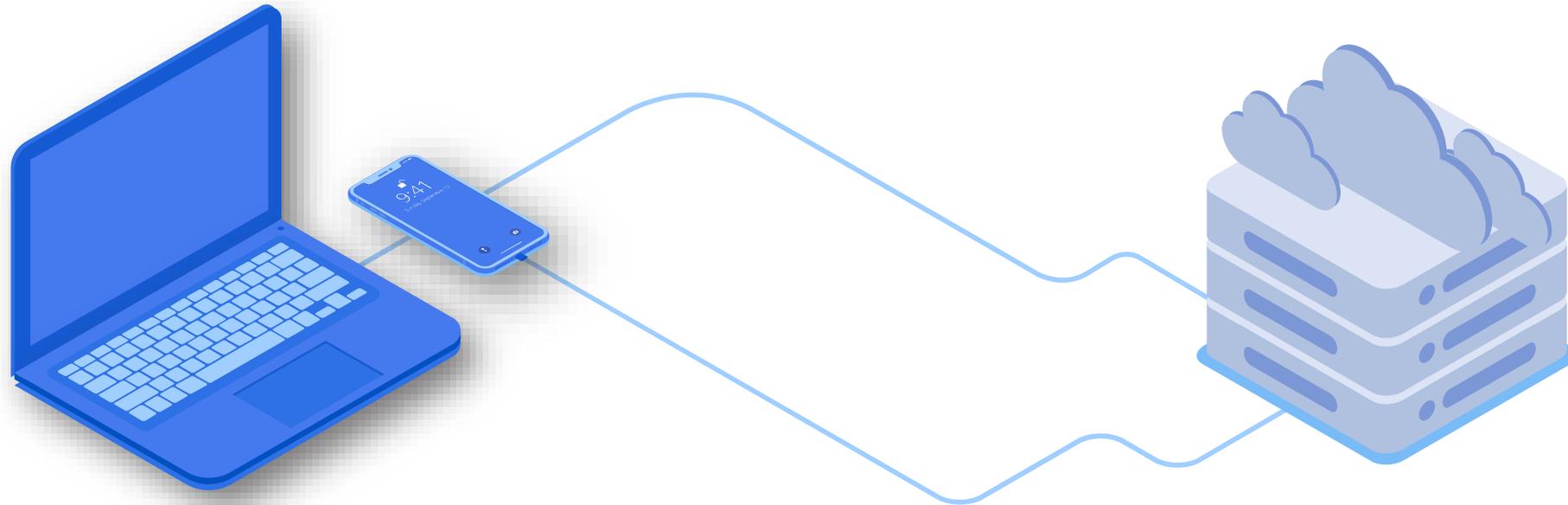
AVAILABLE 24/7 APPLICATION

03
Anywhere – anytime thru internet
User rights

04
Recording data
Quick dashboard



CLOUD

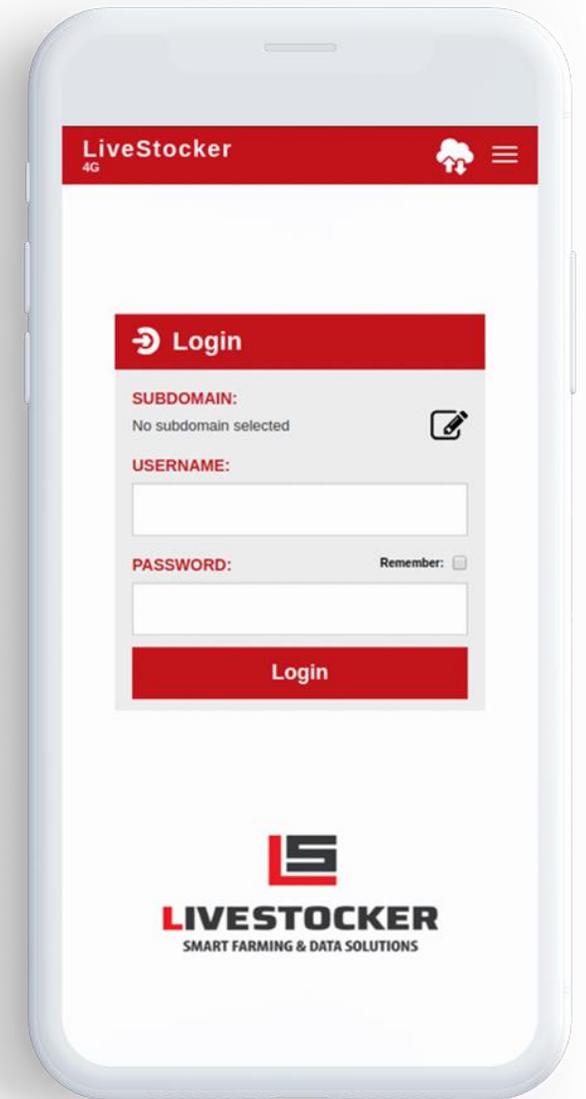


 Microsoft Azure

IBM
Registered
Business Partner
Authorized Software
Value Plus
Security

Application

- ☒ No specific requirement for hardware & software
 - ☒ IOS
 - ☒ Android
- ☒ Recording data
 - ☒ Only those events which may have happened
- ☒ Offline - synchronization
- ☒ Hundreds of events can be recorded before synchronization



>> Change the details of the medicine

Category	Medicine [x]
Subcategory	Antibiotikum [x]
Article number	Denegard 45%
Name	Denegard 45% por
Name of agent	tiamulin
Content of agent	45 %
	362 mg / 1 Default unit
Medicine license number	076980
Date of expiry	365 Day
Default unit	g
Pack size	1.112 kg
Manufacturer	Tolnagro
Distributor	Tolnagro
VAT	1. (>=120101) 27 %
Prime cost	17000 Ft/Pack size
Withdrawal period	4
Dosage	0.04 Unit/ Body weight kg
Type of usage	Group
Profile	--- Total --- Breeding place Breeder
Flexium Article number	S5151

>> Farm

	Filtering
Agro-Duál Kft.	<input type="checkbox"/>
Atak-Mada Kft.	<input type="checkbox"/>
Bereczki Ferenc	<input type="checkbox"/>
Berényi Kft.	<input type="checkbox"/>
Borka Krisztián	<input type="checkbox"/>
Csepregi	<input type="checkbox"/>
Csepregi II.	<input type="checkbox"/>
Darázs Kft.	<input type="checkbox"/>
Darázs Kft. Nagyigmánd	<input type="checkbox"/>
Fröhlig Iroda	<input type="checkbox"/>
Fröhling Tibor E.C. Mohács	<input type="checkbox"/>
Fröhling-Agro Kft. Nagypeterd	<input type="checkbox"/>
Fröhling-Pig Farm Kft.-Lippó	<input type="checkbox"/>
Fröhling-Pig Farm Kft.-Merenye	<input type="checkbox"/>
Fröhling-Pig Farm Kft.-Mohács	<input type="checkbox"/>
Fülöp Tamás	<input type="checkbox"/>
Hegyesi Csaba	<input type="checkbox"/>
Hunra Kft.	<input type="checkbox"/>
Kapoly Mangal Ilona	<input type="checkbox"/>
Karakai	<input type="checkbox"/>
Kiss Kamilló Makó	<input type="checkbox"/>
Kiss Kamillóné	<input type="checkbox"/>
Lukácsné Bábits Ildikó	<input type="checkbox"/>
Mangal Ilona dr. Deim	<input type="checkbox"/>
Mangal Ilona Sertéshizlalda Kft	<input type="checkbox"/>
Mangal Ilona Sertéshizlalda Kft II.	<input type="checkbox"/>
Nyireti István	<input type="checkbox"/>
Papp Tamás	<input type="checkbox"/>
Pozsgay István	<input type="checkbox"/>
Precizion 2009 Kft.	<input type="checkbox"/>
Principális Szövetkezet	<input type="checkbox"/>
PRO-NaturaLand Kft.	<input type="checkbox"/>
Rábacsanak Bacon Kft.	<input type="checkbox"/>
Sertáp Kft.	<input type="checkbox"/>
Település Szervíz	<input type="checkbox"/>
Tetőtleni Sertéstenyésztő és Hízaló Kft	<input type="checkbox"/>
Tóth János	<input type="checkbox"/>
Vad-Bázis Kft.	<input type="checkbox"/>
Valach Erika	<input type="checkbox"/>
Vas László	<input type="checkbox"/>

Master data

- Brand
- Active ingredient
- Concentration
- Approval ID
- Dosage
- Expiry date
- Size, packaging (ml, kg)
- Producer
- Distributor
- Cost
- Withdrawal period
- Purpose of application
- Item number internal

Farm specific

User rights

New order e-mail sent 2019-09-16 09:19:41

Medicine : Change order

Order number	102366
Date of ordering	190916
Date of delivery	190917
Warehouse	Vad-Bázis Kft.
Farm	Vad-Bázis Kft. : 6900 Makó Igási út 0351/18-19
Distributor	--- Select ---
Invoice number	
Delivery note	
Date of invoice	
Fulfillment of the invoice	
Due day	000000
Date of payment	000000 Unpaid
Veterinary	Dr Deim Zoltán
Memo	

Licence **Licence e-mail not sent**
Send order by email to dealer(s)

"We send the text below to the selected dealers":

 Alpha-Vet

Text:


Total value: 97 828.00 Ft

Order list

Status		Filter											
Active	▼	<input type="text"/>											
		Product	Pack size	Prime cost / Pack size	Ordered quantity	Discount	Total	Manufacturer	Distributor	Lot Nr	Expiry	Item nr in bookkeeping	Comment
1.	<input checked="" type="checkbox"/>	Tetraszelén 400 oldat	20 l	48915.00 Ft	2	- 0.00 % =	97830.00 Ft	Alpha-Vet	Alpha-Vet		0000-00-00		
2.	<input type="checkbox"/>	Agita 10WG 400g	1 db	7287.00 Ft		- 0.00 % =	0.00 Ft	Tolnagro	Tolnagro			S5151	
3.	<input type="checkbox"/>	Algopirin	100 ml	3200.00 Ft		- 0.00 % =	0.00 Ft	Tolnagro	Alpha-Vet			S5151	

Orders

- ID's
 - Number
 - Dates
 - Shipment
 - Warehouse / Farm
- Distributor
- Delivery notes
- Date of issued / payment term
- Due date
- Paid at date
- Veterinary
- Memo
- Authorizations / approvals

List of orders with filters

Medicine : Orders - by item

	Farm Kapoly Mangal Ilona	Warehouse -- Total --	Distributor Alpha-Vet	Active ingredient lincomycin	Medicine -- Total --	Summary -- Detailed --	Status -- Total --	Date <input type="text"/>
---	-----------------------------	--------------------------	--------------------------	---------------------------------	-------------------------	---------------------------	-----------------------	------------------------------

Order number	Transport	Farm	Warehouse	Distributor	Article number	Product	Quantity [piece]	Net Unit price [Ft]	Net Amount [Ft]	Gross Amount [Ft]	On the farm [Day] e-Transport)
69462, 71131, 71165, 75212, 81278, 82298, 86670, 93805, 9597...	2018-09-24 - 2019-09-17	Kapoly Mangal Ilona	Kapoly	Alpha-Vet	PW Lynco 400 mg/g	PW Lynco 400 mg/g (1 kg/piece)	142.00	23 602.11	3 351 500.00	4 256 405.00	A-2019-T-0007 ... 189.39
88525	2019-04-24	Kapoly Mangal Ilona	Kapoly	Alpha-Vet	Linco -Sol 400 por	Linco -Sol 400 por (1.5 kg/piece)	20.00	33 750.00	675 000.00	857 250.00	F018629/19... 152.00
[2]					Average / Total		162.00	24 765.43	4 026 500.00	5 113 655.00	184.77

Orders by item

- Filters
 - Farm
 - Warehouse
 - Distributor
 - Active ingredient
 - Brand
 - Status
 - Date

E-Mail

Rendelés #103515 | 2019-09-18 14:12

Feladó: hetenyi.monika@mangold.hu

Címzett Forgalmazó: Tolnagro (info@tolnagro.hu;megrendeles@tolnagro.hu;hunyadiistvan@tolnagro.hu;moldovan.andras@gmail.com;monikahetenyi74@gmail.com;babik.magdolna@mangold.hu)

Szállítási dátum: 2019-09-19

Szállítási cím: Vad-Bázis Kft., 6900 Makó Igási út 0351/18-19

Rendelés azonosító: 103515

Rendelés leadva: 2019-09-18 14:12:41

Cikkszám	Név	Kiszérés	Egységár	Kedvezmény	Mennyiség	Összeg/Kiszérés	Σ Összeg	Megjegyzés
denagard inj. 20 %	denagard inj. 20	100 ml	4 895.00 Ft	0.00 %	5.00	4 895.00 Ft	24 475.00 Ft	
jelölő kréta	jelölő kréta	1 db	285.00 Ft	0.00 %	10.00	285.00 Ft	2 850.00 Ft	piros
Multibio D inj.	Multibio D inj.	250 ml	7 750.00 Ft	0.00 %	2.00	7 750.00 Ft	15 500.00 Ft	
						Összesen	42 825.00 Ft	



Hetényi Mónika
hetenyi.monika@mangold.hu
 0630-6316510

Üdvözzel:
 Hetényi Mátika

Mellékletek:

Nem található melléklet.

Documents

- Categories eg.
 - Animal health
 - Environment
- Organized
- Filters
- Immediate access

E-mail

- Categories
- Organized
- Filters
- Immediate access

Online prescription

**Format of prescription can
 be adjusted according to
 local legislation**

Medicine: Stock

Date: 2019-09-23 Status: Active Warehouse: Kapoly Category: -- Total -- 0 Closing: Hide

Medicine : Stock development

Date: 2019-08-01 - 2019-09-23 Medicine: Respidox [x]


Stock development

	Product	Pack size	Date	Opening	In	Out	Closing	Value [Ft]
1.	Respidox	1 kg	2019-08-13	8	15	0	23 kg	597 885.00
2.	Respidox	1 kg	2019-08-14	23	0	1.755102	21.244898 kg	552 261.12
3.	Respidox	1 kg	2019-08-15	21.244898	0	1.755102	19.489796 kg	506 637.25
4.	Respidox	1 kg	2019-08-16	19.489796	0	1.755102	17.734694 kg	461 013.37
5.	Respidox	1 kg	2019-08-17	17.734694	0	1.755102	15.979592 kg	415 389.49
6.	Respidox	1 kg	2019-08-18	15.979592	0	1.755102	14.22449 kg	369 765.62
7.	Respidox	1 kg	2019-08-19	14.22449	0	1.755102	12.469388 kg	324 141.74
8.	Respidox	1 kg	2019-08-20	12.469388	0	1.755102	10.714286 kg	278 517.86
			Total:		15.00	12.29		

Stock: 2019-09-23

Respidox	1 kg	2019-08-20	12.469388	0	1.755102	10.714286 kg	278 517.86
----------	------	------------	-----------	---	----------	--------------	------------

Stock: Last Change

Respidox	1 kg	2019-08-20	12.469388	0	1.755102	10.714286 kg	278 517.86
----------	------	------------	-----------	---	----------	--------------	------------

Stock

- Date
- Warehouse
- Category

Stock development

- Period
- (In / Out)
- Value

Treatment calculator

Date	190923	
Profile / Farm	--- Total ---	--- Total --- <input type="checkbox"/> Empty
Stable	Sertés telep 16 - MUM.HCS006.rot : 25/H1 Sertés telep 19 - MUM.PR005.rot : 29/H1 Sertés telep 19 - MUM.PR005.rot : 29/H2 Sertés telep 19 - MUM.PR005.rot : 29/H3 Sertés telep 9 - MUM.VE012.rot : 15/H5	
Number of livestock	796	
Average live weight	72.45	
Number of days	1	
Treatment method	Group	
Category	Medicine	
Active ingredient	tiamulin	
Medicine	Denegard 45% por	
Default unit	g	
Withdrawal period	4 Day	
End of withdrawal period	2019-09-28	
Dosage	0.04	Unit/ Body weight kg
Stock	697.185	0.697
Total quantity of medicine	2306.808	2.307
Daily quantity of medicine	2306.808	2.307
Quantity of medicine / Animal / Day	2.898	0.003
Quantity of medicine / Animal / Treatment	2.898	0.003
Price of treatment / Animal [Ft]	35265.95	44.3
Cause of treatment	Emésztőszervi	
Type of treatment, Method	Prevention	Watering [I]
Size of stock solution tank [l]	20	
Stock solution dosage %	2	
Time of treatment	3.35	hour(s)
Comment	<input type="text"/>	
	<input checked="" type="checkbox"/> Save in treatment log book	

Telekom HU 4G 12:39 60%

LiveStocker v1.1.56
4G [pigdemo]

Farm: Sertés telep 19
Rotation: MUM.PR005.rot
Actions: 0

Add an action:

Treatment

Treated animals: 796 **Average body weight:** 69,75

Category: Medicine

Agent: tiamulin

Medicine: Denegard 45% por (Group) [697 g]

Treatment calculator

- Application and software
- Nr of animals picked up automatically from data
- Weight automatically picked up from body mass table
- Both can be changed
- Type of treatment
- Active ingredient
- Medication
- In case no stock, cannot be used
- Orders from application
- Log book automatically
- Stock reports

Treatment log book

From date: 2019-08-01 - 2019-09-23
 Warehouse: -- Total --
 Farm: 1 Item
 Rotation: -- Total --
 Stable: -- Total --
 Place: -- Total --
 Category: 2 Item
 Medicine: 1 Item
 Active ingredient: -- Total --
 Cause: -- Total --

50 item(s) [Export](#)

	<input type="checkbox"/>	Date	Farm	Stable	Cause of treatment	Type of treatment	Treatment method	Medicine	Quantity	Treated animal
1.	<input type="checkbox"/>	2019-08-10	Bereczki Ferenc	MUM.B006.rot : 1/H2	Emésztőszervi	Prevention	Watering	Panacur (A08608)	0.287346 l	
2.	<input type="checkbox"/>	2019-08-09	Bereczki Ferenc	MUM.B006.rot : 1/H2	Emésztőszervi	Prevention	Watering	Panacur (A08608)	0.287346 l	
3.	<input type="checkbox"/>	2019-08-10	Bereczki Ferenc	MUM.B006.rot : 1/H1	Emésztőszervi	Prevention	Watering	Panacur (A08608)	0.290148 l	
4.	<input type="checkbox"/>	2019-08-09	Bereczki Ferenc	MUM.B006.rot : 1/H1	Emésztőszervi	Prevention	Watering	Panacur (A08608)	0.290148 l	
									1,155 l	1

Showing 1 to 4 of 4 entries

Log book

- Generated from treatments
- Lists
 - Period
 - Farm
 - Rotation
 - Stable
 - Med category
 - Product / Medicine
 - Active ingredient
 - Treatment
 - Cause
 - Type
 - Mode



➤ Treatment log book : Notice details

Date	2019-08-10
Stable	Bereczki Ferenc - MUM.B006.rot : 1/H2
Medicine	Panacur [ml]
Quantity	287.346 ml
Treated animal	498
Cause of treatment	Emésztőszervi
Type of treatment	Prevention
Treatment method	Watering [I]
Prime cost	16865.77 Ft
Withdrawal period	4 Day
Memo	<div style="border: 1px solid gray; height: 40px;"></div>




➤ Consumed quantity

Stock ID	Received	Lot Nr	Consumed quantity
104941	190725	A08608	287.346 ml

Treatment details

- Period
- Stable
- Nr of animals
- Product / Medicine
- Active ingredient
- Treatment
 - Type
 - Cause
 - Cost
- Withdrawal period
- Amount

➤ **Farm details**

Name	Bereczki Ferenc
Address	4060 Balmazújváros-Telekföld 0150/3 hrsz.
E-Mail	kata.5@freemail.hu
E-Mail Send: Feed order, Sales plan, Medicine	kata.5@freemail.hu
Phone	06302995977
Fax	
Contact person	Bereczki Ferenc
Method of feed transport	Fűjós [x]
Default location for feed orders	To farm
Profile	Breeder [x]
Basis Price	Bázis 1
Warehouses	1 Item
Medicine Warehouse	Bereczki [x]
Breeding code	4481478
Registration Nr	1000546340
Subsidies for medicine	--- Select ---
Farm ID	4958554
delivery address	É 47.58735 K 21.38302

➤ **Pooled cost : Group**

Bérhizlalás csoport Kapoly - Mangal Ilona

➤ **Owner**

Name	Bereczki Ferenc
General Manager	
Address	4032 Debrecen, Martonfalvi utca 19. 2/6.
Mailing address	4032 Debrecen, Martonfalvi utca 19. 2/6.
No. of primary producer ID	
Compensation surcharge %	0.00
Tax identifier sign	
Tax number	77346991-2-29
VAT %	27.00
Place and date of birth	
Mother's name	



Virtual farm / Database

- Farm
- Stables
- Warehouse
- Silo
- Supplier
- Customer
- Medication
- Feed
- Products

Body mass table

		Hours / Day	Initial average weight								
		16	25.000								
	Days on the farm	Daily gain [g]	Daily feed consumption [kg]	Daily Water consumption [l]	Feed phase	Mass / Animal	ΣFeed [kg]	ΣFCR	Mortalities	Mortalities %	Comment
1.	3	800.000	1.400	3.000	0	27.400	4.20	1.750	--- Not specified ---	0.00	
2.	9	850.000	1.800	3.000	0	32.500	15.00	2.000	--- Not specified ---	0.00	
3.	10	900.000	1.900	3.500	1	33.400	16.90	2.012	--- Not specified ---	0.00	
4.	24	950.000	2.400	5.000	1	46.700	50.50	2.327	--- Not specified ---	0.00	
5.	52	1000.000	2.900	6.000	2	74.700	131.70	2.650	--- Not specified ---	0.00	
6.	70	1100.000	3.100	7.000	3	94.500	187.50	2.698	--- Not specified ---	0.00	
7.	78	1150.000	3.200	7.500	3	103.700	213.10	2.708	--- Not specified ---	0.00	
8.	101	1200.000	3.600	8.000	4	131.300	295.90	2.784	--- Not specified ---	0.00	
New:								FCR: 2.784			
Total:		106.30 kg	295.9 kg	638.5 l				DWG: 1 052.48 g	Average:	0	
Market price Ft / kg:		Revenue:46191.60 Ft	Prime cost:413.91 Ft/kg	Expense:54346.36 Ft	Planned profit:-8154.76 Ft						
		360.00									

Body mass table

- Breed and stable specific
- ADFI
- ADG
- ADWI
- Feed phases
- FCR
- Mortality
- Financial plan
- Expected income
- Expected profit & loss

Feed phase

Feed phase	Name	Price[Ft/kg]	Quantity[kg]	Value[Ft]
0	Mangal Iona 0 DAN	97.6	15.00	1464.00
1	Mangal Iona 1 DAN	95.5	35.50	3390.25
2	Mangal Iona 2 DAN	77.5	81.20	6293.00
3	Mangal Iona 3 DAN	74.5	81.40	6064.30
4	Mangal Iona 4 DAN	72.4	82.80	5994.72
Average Price		Total Quantity		Value Total
		78.43 Ft	295.90 kg	23206.27 Ft
		FCR Feed Cost:		218.338

Prime cost / Animal

Young animal [Ft]	26125.13
Mortalities (~49 Day) 2.49 %	890.72
Medicine [Ft]	313.23
Feed [Ft]	23206.27
Other expenses [Ft]	2979.73
Other revenues [Ft]	0
Weight deduction 2.99 kg [Ft]	1076.40
Pooled cost [Ft]	831.28
Σ [Ft / Animal]	54346.36

Integrated reports

Products and
active
ingredient
used in g and
currency



Filters by
period, active
ingredient,
supplier



Active
ingredient / 1
unit of product



Interpretation
of Mortality
and
medication

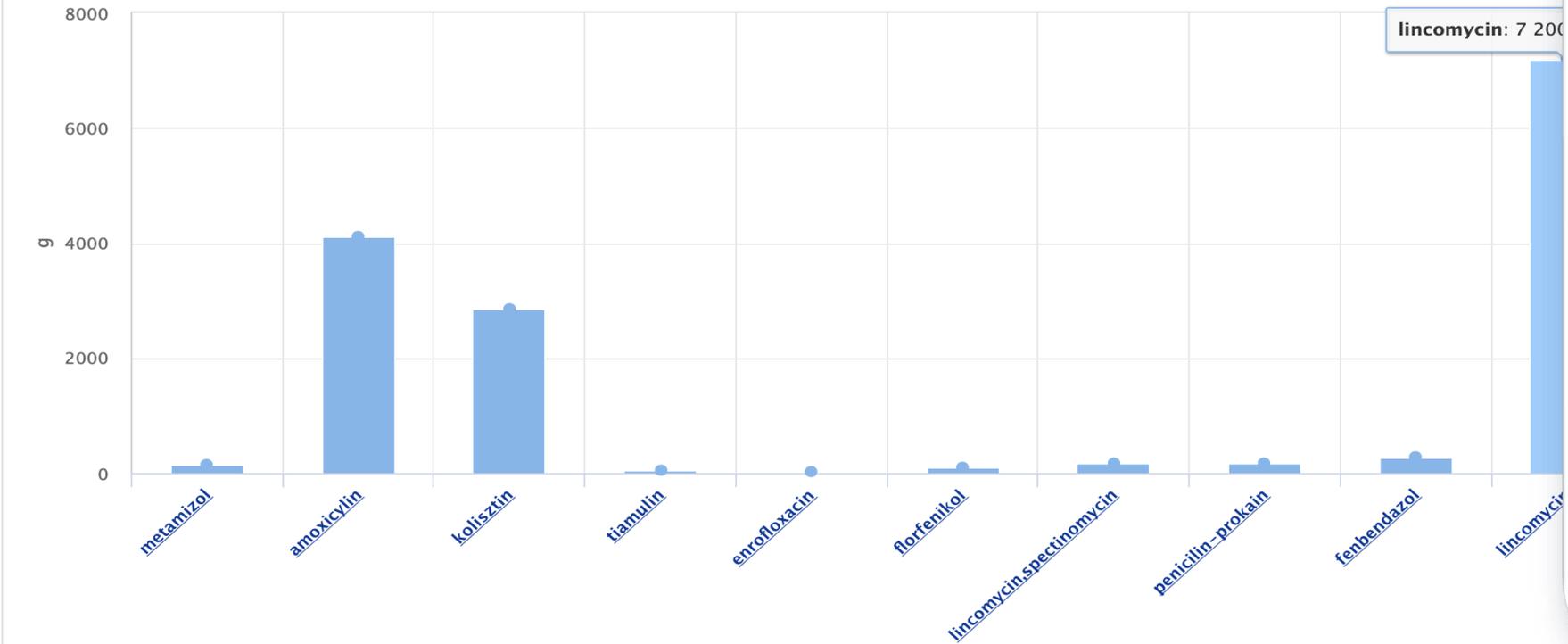


Medicine consumption

From date: 2019-01-01 - 2019-09-23 Profile: -- Total -- Rotation status: Only closed Farm: 1 Item Rotation: -- Total -- Manufacturer: -- Total -- Distributor: -- Total --
Medicine: -- Total -- Cause of treatment: -- Total -- Type of treatment: -- Total -- Treatment method: -- Total -- List: Summary Category: -- Total --

Medicine consumption (2019-01-01 - 2019-09-23) Medicine consumption [Ft] Medicine consumption / Active ingredient [g]

Medicine consumption – Active ingredient [g]



Medicine consumption (Period)

- farm, rotation
- Supplier, Active ingredient
- Cause of treatment

Medicine consumption (Total)

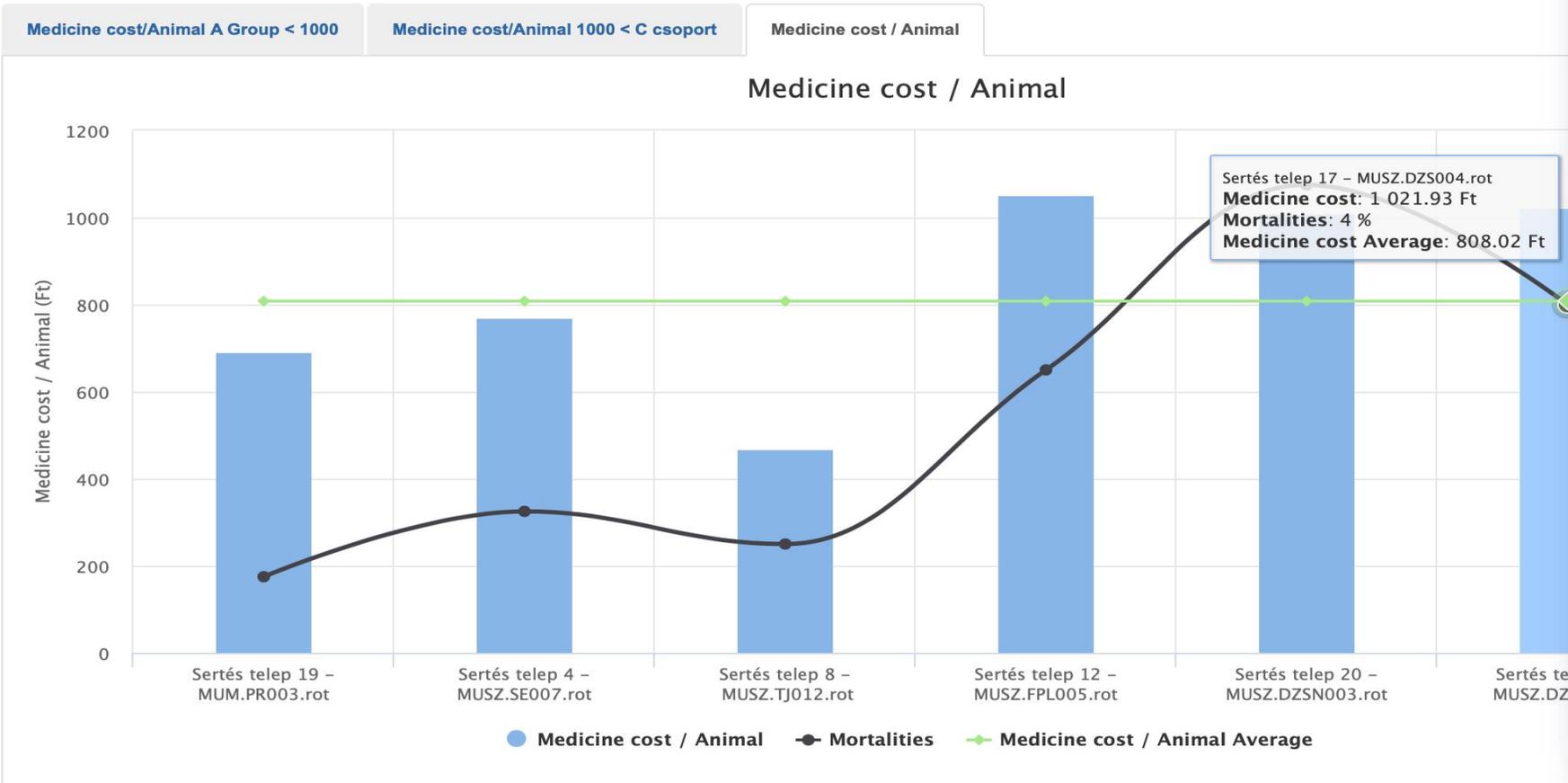
- Active ingredient

Medicine consumption (Active ingredient)

Sertés telep 1 : MUM.B004.rot : 1/H2	Sertés telep 16 : MUM.HCS005.rot : 25/H1
Sertés telep 10 : MUSZ.FTN001.Rot : 16/H1	Sertés telep 17 : MUSZ.DZS004.rot : 27/H1
Sertés telep 10 : MUSZ.FTN001.Rot : 16/H2	Sertés telep 17 : MUSZ.DZS004.rot : 27/H3
Sertés telep 10 : MUSZ.FTN001.Rot : 16/H3	Sertés telep 17 : MUSZ.DZS004.rot : 27/H4

Start / Date of closing
 2019-06-23 - 2019-09-23
 2019-04-01 - 2019-06-30
 Sort by date

Partitioning [Ft/Animal]
 A < 1000 B1 - B2 1000 < C Target: Save



Medicine cost / animal (<1000 HUF; >1000 HUF)

- farm, rotation, breed
- period
- Cost

Medicine cost / animal (graph)

- Active ingredient

Medicine consumption : Antibiotics

--- Farm --- Farm Transfer -- Genetics -- 1 Item --- Profile ---

Rotations

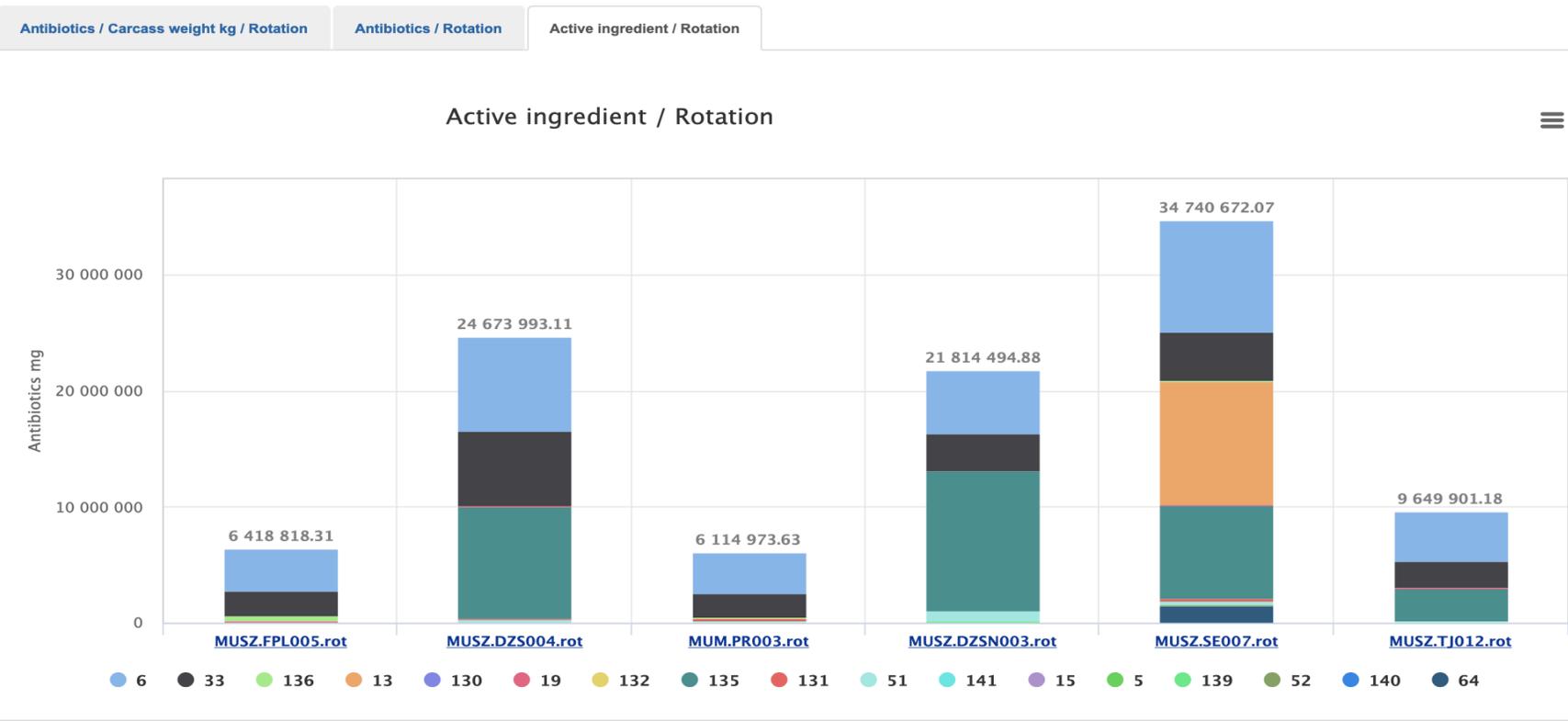
Sertés telep 1 : MUM.B001.rot
 Sertés telep 1 : MUM.B002.rot
 Sertés telep 1 : MUM.B003.rot
 Sertés telep 1 : MUM.B004.rot
 Sertés telep 10 : MUSZ.FTN001.Rot
 Sertés telep 10 : MUSZ.FTN003.rot
 Sertés telep 10 : MUSZ.FTN004.rot
 Sertés telep 10 : MUSZ.FTN005.rot
 Sertés telep 10 : MUSZ.FTN006.rot

Show

Sertés telep 10 : MUSZ.FTN007.rot
 Sertés telep 12 : MUSZ.FPL005.rot
 Sertés telep 16 : MUM.HCS004.rot
 Sertés telep 16 : MUM.HCS005.rot
 Sertés telep 17 : MUSZ.DZS004.rot
 Sertés telep 19 : MUM.PR003.rot
 Sertés telep 19 : MUM.PR004.rot
 Sertés telep 20 : MUSZ.DZSN003.rot
 Sertés telep 22 : MUSZ.PRO001.rot

Start / Date of closing: 2019-03-23 - 2019-09-23 2019-04-01 - 2019-06-30 mg

Yellow card: 10 mg/kg Show data table Sort by date



Medicine consumption
(1 unit / product)

- Farm
- Breed
- Period
- Rotation

Antibiotics / rotation

Active ingredient / rotation

Sertés telep 1 : MUM.B004.rot : 1/H1
 Sertés telep 1 : MUM.B004.rot : 1/H2
 Sertés telep 10 : MUSZ.FTN001.Rot : 16/H1
 Sertés telep 10 : MUSZ.FTN001.Rot : 16/H2
 Sertés telep 10 : MUSZ.FTN001.Rot : 16/H3

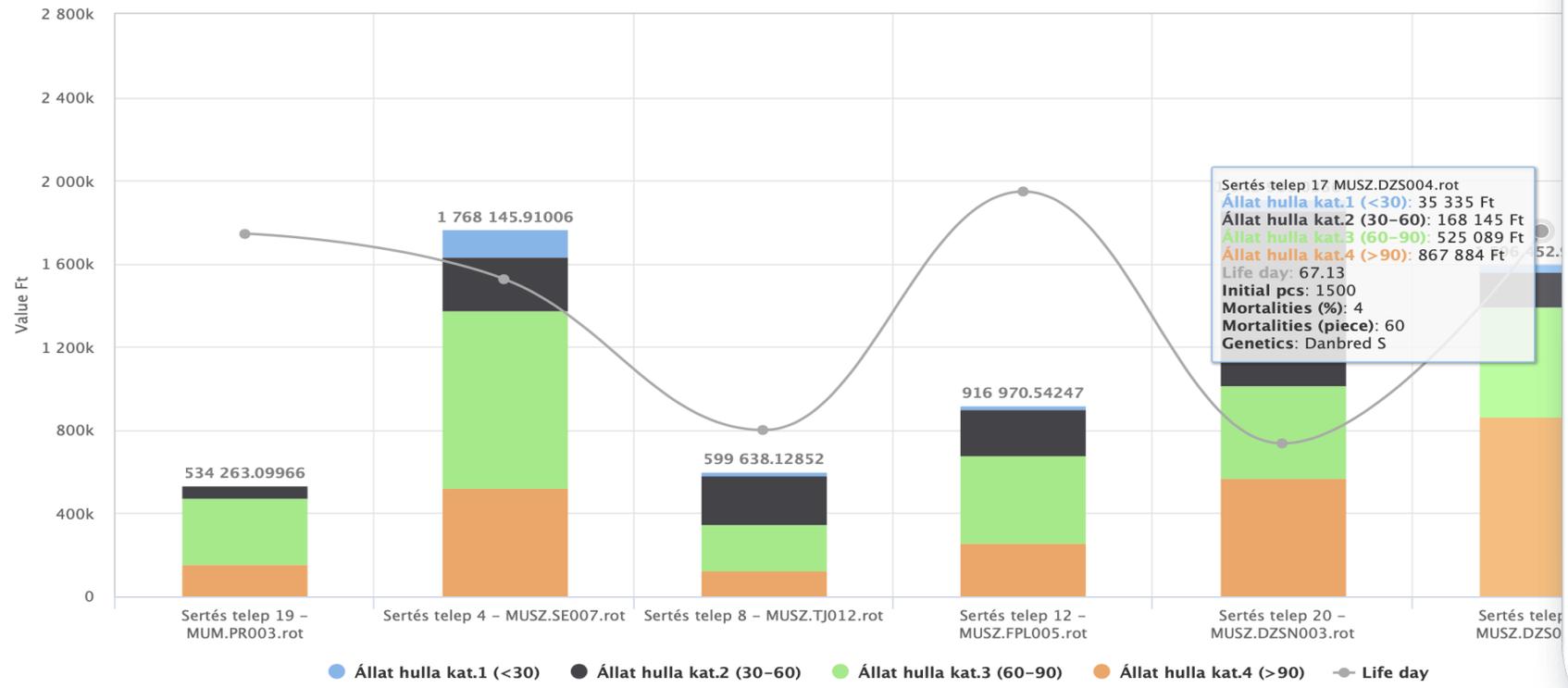
Sertés telep 16 : MUM.HCS004.rot : 25/H1
 Sertés telep 16 : MUM.HCS005.rot : 25/H1
 Sertés telep 17 : MUSZ.DZS004.rot : 27/H1
 Sertés telep 17 : MUSZ.DZS004.rot : 27/H3
 Sertés telep 17 : MUSZ.DZS004.rot : 27/H4

Start / Date of closing 2019-06-23 - 2019-09-23 2019-04-01 - 2019-06-30 Sort by date

Partitioning % A < 3 B1 - B2 - 3 < C Diseases: 5 Target: 2.5 % Save

- Mortalities A Group < 3
- Disease A Group < 3
- Mortalities 3 < C csoport
- Disease 3 < C csoport
- Mortalities % / Rotation
- Mortalities piece / Rotation
- Mortalities piece / Disease / Rotation
- Mortalities piece / Rotation By gender
- Mortalities / Day
- Mortalities / Value

Mortalities / Value



Interpretation of health

- Farm
- Breed
- Breed
- Period
- Production KPI
- Cause of mortality
- Mortality / rotation
- Mortality/disease/rotation
- Mortality by gender
- Mortality / day
- Mortality (value)

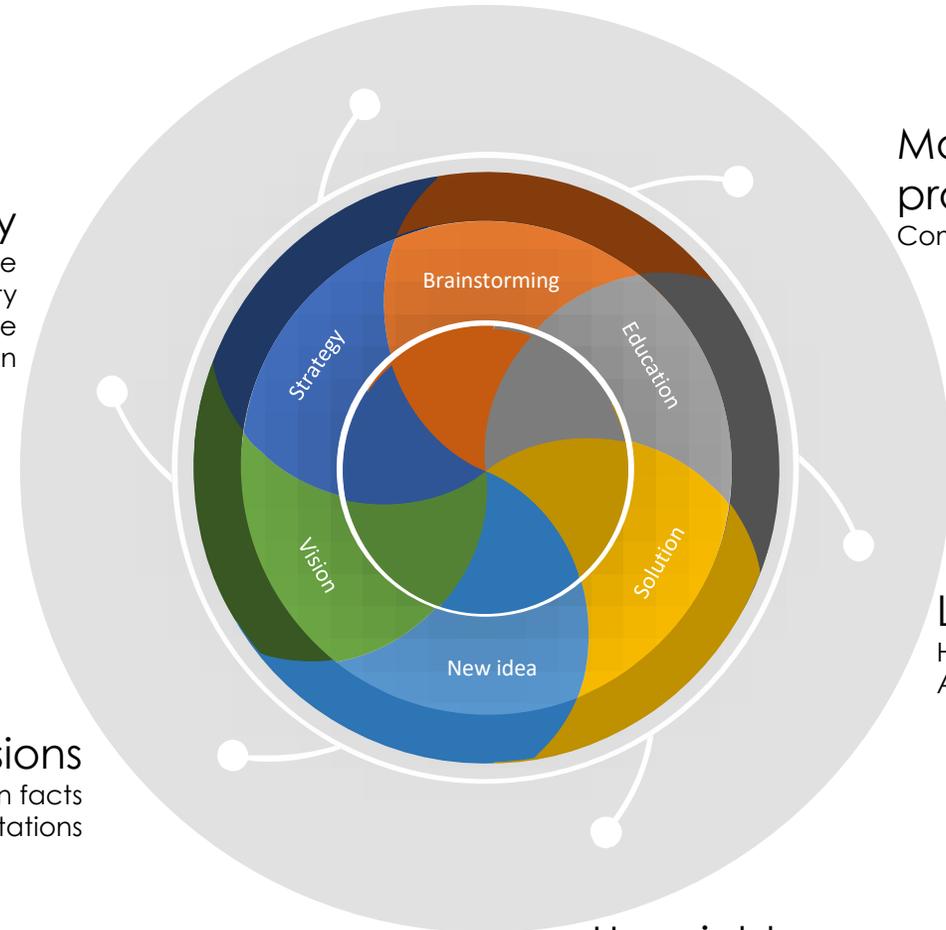
Benefits & returns

Strategic importance

**Up to
+10 %
EBIDTA**

Production efficiency
Lowering antimicrobial use
Lower mortality
Higher growth rate
Lower feed conversion

Strategic decisions
Decisions based on facts
Interpretations



Value based corporate culture
All KPI translated into financial impact

More efficient procurement
Competition among suppliers

Less administration
Higher efficiency in work
Automated reports

User rights
Only relevant parts are accessible

Few clicks and data turns into information

Running out of time....

Who, What, Why, When and How?

Precision Livestock Farming

Next big step forward is making decision based on real time data to cross borders for sustainability and profit

Farm management

Sofisticated technology standards, but the circumstances are not standard at all

SMART tools

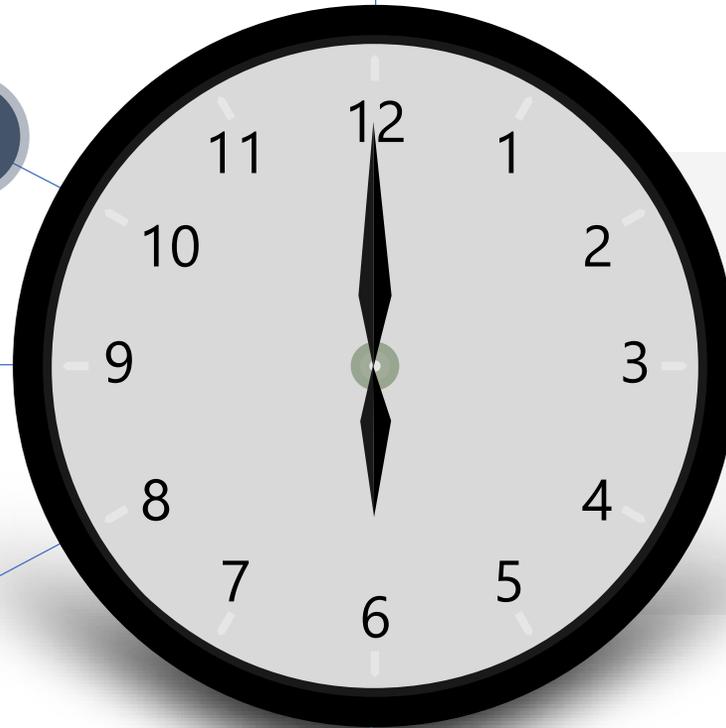
Without organized, structured data, expensive gadgets ?

Farm technology

Permanent ideal environment for healthy growth

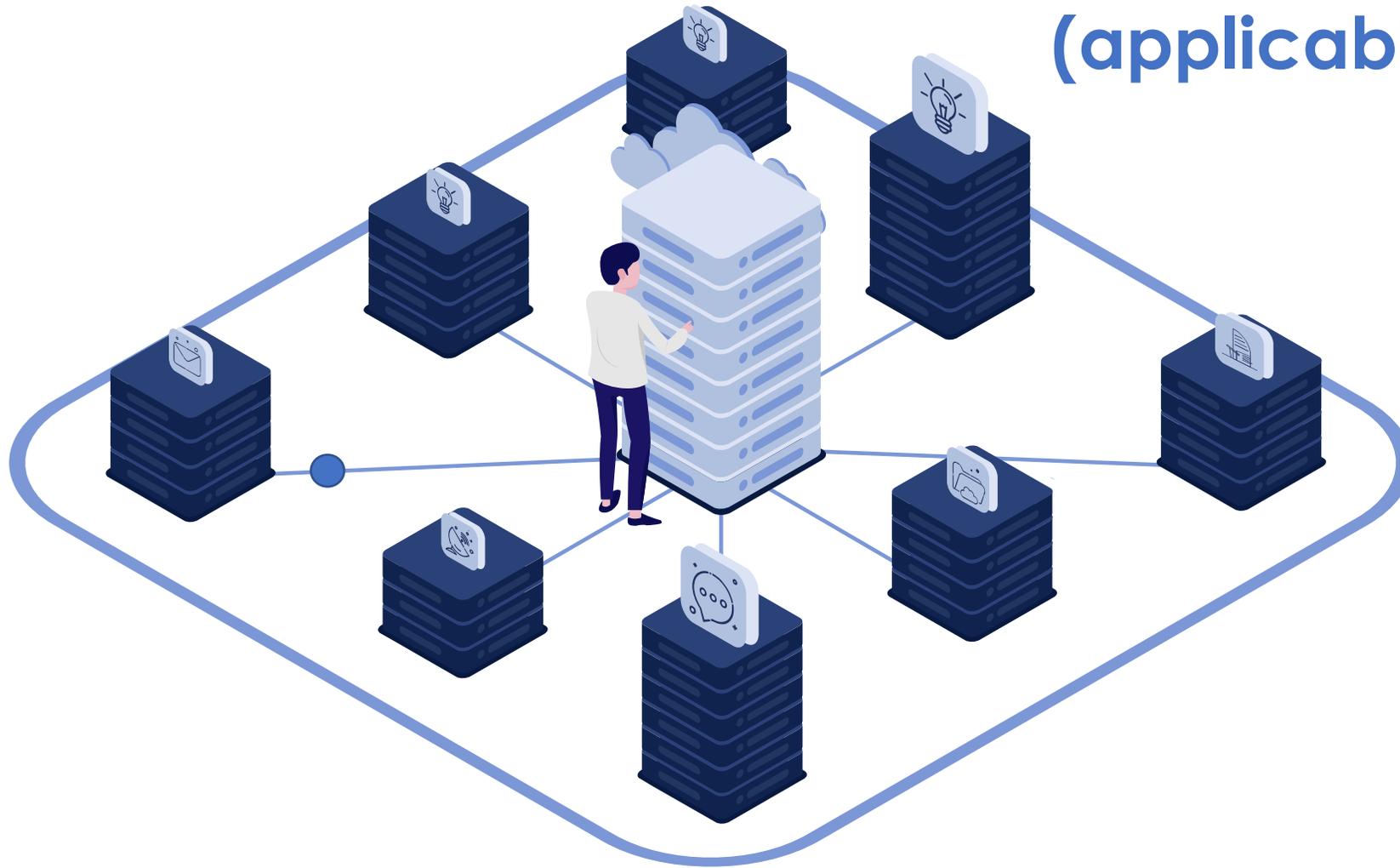
Robustness and animal health

Robust genetics
Animal Health Status, prevention



Breeds and farm technology are already available, only matter of return on investment if it is applicable for production.

Unlimited farms and users (applicable for authorities)



01. Data export – Import

02. Automatic reports – internal and government authorities

03. Data import SMART - IOT