

Supplementary Table 1: P values and average dispensing fees for Panado®, Ecotrin® and Bayer Aspirin Cardio® across ATC categories and dispensers

DISPENSING FEES

PANADO®																		
<u>ATC Category</u>	<u>ADF (per tablet)</u>	<u>n</u>	<u>ADF (Acute)</u>	<u>n</u>	<u>ADF (Chronic)</u>	<u>n</u>	<u>ADF (PMB)</u>	<u>n</u>	<u>ADF (Oncology)</u>	<u>n</u>	<u>ADF (Other)</u>	<u>n</u>	<u>p value</u>	<u>PD</u>	<u>n</u>	<u>DD</u>	<u>n</u>	<u>p value</u>
Alimentary Tract and Metabolism	R 0,13	211	R 0,13	207					R 0,18	2	R 0,10	2	**	R 0,23	123	R 0,00	88	p < 0.05
Antineoplastic and Immunomodulating agents	R 0,25	3	R 0,25	3									**	R 0,37	2	R 0,00	1	**
Antiparasitic Products	R 0,00	1	R 0,00	1									**			R 0,00	1	**
Blood and Blood forming Organs	R 0,13	41	R 0,12	39					R 0,16	1	R 0,20	1	**	R 0,19	27	R 0,00	14	**
Cardiovascular System	R 0,13	70	R 0,12	68					R 0,16	1	R 0,20	1	**	R 0,22	40	R 0,01	30	p < 0.05
Central Nervous System	R 0,12	566	R 0,12	557					R 0,22	3	R 0,12	6	**	R 0,23	281	R 0,00	285	p < 0.05
Dermatological	R 0,06	28	R 0,06	28									**	R 0,23	7	R 0,00	21	p < 0.05
General Anti-Infectives for Systemic use	R 0,10	367	R 0,10	361					R 0,18	2	R 0,09	4	**	R 0,23	152	R 0,00	215	p < 0.05
Genitourinary System and Sex Hormones	R 0,12	37	R 0,12	37									**	R 0,19	23	R 0,00	14	p < 0.05
Musculoskeletal System	R 0,08	241	R 0,08	239							R 0,00	2	**	R 0,22	82	R 0,00	159	p < 0.05
Respiratory System	R 0,08	281	R 0,08	278							R 0,06	3	**	R 0,22	104	R 0,00	177	p < 0.05
Sensory Organs	R 0,11	24	R 0,10	23							R 0,37	1	**	R 0,21	12	R 0,00	12	p < 0.05
Systemic Hormonal preparations, excluding sex hormones and insulins	R 0,06	92	R 0,06	92									**	R 0,21	26	R 0,00	66	p < 0.05
Various	R 0,16	21	R 0,16	21									**	R 0,20	17	R 0,00	4	p < 0.05
p value	p < 0.05		p < 0.05						**		**			**		**		

ECOTRIN®																		
Alimentary Tract and Metabolism	R 0,18	1796	R 0,18	332	R 0,20	151	R 0,17	1305			R 0,19	8	p < 0,05	R 0,18	1763	R 0,01	33	p < 0,05
Antineoplastic and Immunomodulating agents	R 0,17	60	R 0,18	13	R 0,19	10	R 0,16	36	R 0,00	1			**	R 0,17	60			**
Antiparasitic Products	R 0,18	13	R 0,20	1	R 0,10	2	R 0,19	10					**	R 0,19	12	R 0,00	1	p < 0,05
Blood and Blood forming Organs	R 0,18	3932	R 0,18	1077	R 0,19	315	R 0,18	2523	R 0,27	1	R 0,29	16	p < 0,05	R 0,18	3856	R 0,01	76	p < 0,05
Cardiovascular System	R 0,18	3623	R 0,19	905	R 0,19	298	R 0,18	2406			R 0,27	14	p < 0,05	R 0,18	3564	R 0,03	59	p < 0,05
Central Nervous System	R 0,18	1184	R 0,18	347	R 0,19	122	R 0,18	710			R 0,32	5	p < 0,05	R 0,19	1156	R 0,01	28	p < 0,05
Dermatological	R 0,16	64	R 0,15	23	R 0,12	7	R 0,17	34					**	R 0,16	62	R 0,00	2	p < 0,05
General Anti-Infectives for Systemic use	R 0,16	190	R 0,16	75	R 0,18	15	R 0,15	99			R 0,23	1	**	R 0,17	172	R 0,00	18	p < 0,05
Genitourinary System and Sex Hormones	R 0,17	360	R 0,18	129	R 0,17	45	R 0,16	185			R 0,00	1	**	R 0,17	353	R 0,00	7	p < 0,05
Musculoskeletal System	R 0,17	746	R 0,17	215	R 0,19	70	R 0,17	459	R 0,27	1	R 0,21	1	**	R 0,18	719	R 0,00	27	p < 0,05
Respiratory System	R 0,17	375	R 0,19	112	R 0,21	27	R 0,16	233			R 0,22	3	p < 0,05	R 0,18	358	R 0,00	17	p < 0,05
Sensory Organs	R 0,17	85	R 0,20	21	R 0,23	9	R 0,16	55					**	R 0,17	85			**
Systemic Hormonal preparations, excluding sex hormones and insulins	R 0,18	577	R 0,19	134	R 0,20	57	R 0,17	385			R 0,23	1	**	R 0,18	567	R 0,02	10	p < 0,05
Various	R 0,16	24	R 0,12	7	R 0,18	6	R 0,17	11					**	R 0,16	23	R 0,00	1	p < 0,05
p value	**		**		**		**		**		**			**		**		
BAYER ASPIRIN®																		
Alimentary Tract and Metabolism	R 0,21	1225	R 0,22	296	R 0,22	118	R 0,20	797			R 0,21	14	p < 0,05	R 0,21	1200	R 0,02	25	p < 0,05
Antineoplastic and Immunomodulating agents	R 0,20	33	R 0,25	6	R 0,13	4	R 0,20	23					**	R 0,20	33			**
Antiparasitic Products	R 0,22	14	R 0,27	5	R 0,17	3	R 0,19	6					**	R 0,22	14			**

Blood and Blood forming Organs	R 0,21	2754	R 0,22	886	R 0,22	233	R 0,21	1598			R 0,23	37	**	R 0,22	2685	R 0,01	69	p < 0.05
Cardiovascular System	R 0,21	2591	R 0,22	797	R 0,22	217	R 0,21	1543			R 0,23	34	**	R 0,22	2533	R 0,01	58	p < 0.05
Central Nervous System	R 0,21	726	R 0,21	263	R 0,23	71	R 0,21	385			R 0,25	7	**	R 0,22	701	R 0,00	25	p < 0.05
Dermatological	R 0,21	39	R 0,30	13	R 0,16	6	R 0,17	20					**	R 0,22	38	R 0,00	1	p < 0.05
General Anti-Infectives for Systemic use	R 0,20	103	R 0,21	56	R 0,18	16	R 0,19	30			R 0,26	1	**	R 0,24	86	R 0,00	17	p < 0.05
Genitourinary System and Sex Hormones	R 0,22	232	R 0,23	80	R 0,20	21	R 0,22	129			R 0,40	2	**	R 0,22	230	R 0,00	2	p < 0.05
Musculoskeletal System	R 0,21	501	R 0,21	181	R 0,23	55	R 0,21	258			R 0,28	7	**	R 0,22	470	R 0,01	31	p < 0.05
Respiratory System	R 0,19	217	R 0,19	82	R 0,21	23	R 0,20	111			R 0,26	1	**	R 0,21	202	R 0,00	15	p < 0.05
Sensory Organs	R 0,18	59	R 0,18	17	R 0,26	2	R 0,18	40					**	R 0,19	57	R 0,00	2	p < 0.05
Systemic Hormonal preparations, excluding sex hormones and insulins	R 0,21	354	R 0,21	111	R 0,22	35	R 0,21	201			R 0,21	7	**	R 0,22	343	R 0,00	11	p < 0.05
Various	R 0,28	19	R 0,25	8	R 0,24	4	R 0,33	6			R 0,26	1	**	R 0,28	19			**
p value:	**		**		**		**			**		**		**		**		**

¹ * indicates that there was an insufficient amount of values to use for the calculation.

** there was no significant difference.

ADF – Average Dispensing Fee; n – number of claims

Supplementary Table 2: P values and average submitted fees for Panado®, Ecotrin® and Bayer Aspirin Cardio® across ATC categories and dispensers

SUBMITTED FEES																		
PANADO®																		
ATC Category	ASF(per tablet)	n	ASF (Acute)	n	ASF (Chronic)	n	ASF (PMB)	n	ASF (Oncology)	n	ASF (Other)	n	p value	PD	n	DD	n	p value
Alimentary Tract and Metabolism	R 0,91	211	R 0,91	207					R 0,84	2	R 1,00	2	**	R 0,93	123	R 0,89	88	p < 0.05
Antineoplastic and Immunomodulating agents	R 0,96	3	R 0,96	3									**	R 1,07	2	R 0,74	1	**
Antiparasitic Products	R 0,68	1	R 0,68	1									**			R 0,68	1	**
Blood and Blood forming Organs	R 0,88	41	R 0,88	39					R 0,82	1	R 0,87	1	**	R 0,88	27	R 0,88	14	p < 0.05
Cardiovascular System	R 0,90	70	R 0,90	68					R 0,82	1	R 0,87	1	**	R 0,90	40	R 0,90	30	p < 0.05
Central Nervous System	R 0,92	566	R 0,92	557					R 0,96	3	R 0,98	6	**	R 0,93	281	R 0,91	285	p < 0.05
Dermatological	R 0,95	28	R 0,95	28									**	R 0,90	7	R 0,97	21	p < 0.05
General Anti-Infectives for Systemic use	R 0,92	367	R 0,92	361					R 0,84	2	R 0,96	4	**	R 0,93	152	R 0,92	215	p < 0.05
Genitourinary System and Sex Hormones	R 0,90	37	R 0,90	37									**	R 0,91	23	R 0,89	14	p < 0.05
Musculoskeletal System	R 0,92	241	R 0,92	239							R 1,12	2	**	R 0,91	82	R 0,93	159	p < 0.05
Respiratory System	R 0,93	281	R 0,93	278							R 0,99	3	**	R 0,92	104	R 0,93	177	p < 0.05
Sensory Organs	R 0,85	24	R 0,85	23							R 0,93	1	**	R 0,89	12	R 0,82	12	p < 0.05
Systemic Hormonal preparations, excluding sex hormones and insulins	R 0,94	92	R 0,94	92									**	R 0,90	26	R 0,96	66	p < 0.05
Various	R 0,91	21	R 0,91	21									**	R 0,91	17	R 0,93	4	**
p value	**		**						**		**			**		**		

ECOTRIN®																		
Alimentary Tract and Metabolism	R 0,98	1796	R 1,00	332	R 0,98	151	R 0,97	1305			R 0,95	8	p < 0,05	R 0,98	1763	R 0,92	33	P < 0,05
Antineoplastic and Immunomodulating agents	R 0,96	60	R 1,00	13	R 0,93	10	R 0,95	36	R 1,25	1			**	R 0,96	60			**
Antiparasitic Products	R 0,94	13	R 0,94	1	R 0,94	2	R 0,93	10					**	R 0,94	12	R 0,94	1	p < 0,05
Blood and Blood forming Organs	R 0,98	3932	R 0,99	1077	R 0,97	315	R 0,98	2523	R 1,25	1	R 1,06	16	p < 0,05	R 0,98	3856	R 0,94	76	p < 0,05
Cardiovascular System	R 0,98	3623	R 0,99	905	R 0,97	298	R 0,98	2406			R 1,05	14	p < 0,05	R 0,98	3564	R 0,94	59	p < 0,05
Central Nervous System	R 0,98	1184	R 0,99	347	R 0,97	122	R 0,97	710			R 1,06	5	**	R 0,98	1156	R 0,92	28	p < 0,05
Dermatological	R 0,99	64	R 1,01	23	R 0,94	7	R 0,99	34					**	R 1,00	62	R 0,92	2	p < 0,05
General Anti-Infectives for Systemic use	R 0,99	190	R 1,00	75	R 1,05	15	R 0,97	99			R 0,97	1	**	R 0,99	172	R 0,95	18	p < 0,05
Genitourinary System and Sex Hormones	R 0,96	360	R 0,99	129	R 0,93	45	R 0,96	185			R 0,90	1	p < 0,05	R 0,97	353	R 0,90	7	p < 0,05
Musculoskeletal System	R 0,97	746	R 0,98	215	R 0,98	70	R 0,97	459	R 1,25	1	R 0,96	1	**	R 0,98	719	R 0,90	27	P < 0,05
Respiratory System	R 0,98	375	R 1,01	112	R 1,02	27	R 0,96	233			R 0,96	3	p < 0,05	R 0,98	358	R 0,96	17	P < 0,05
Sensory Organs	R 0,96	85	R 0,96	21	R 0,99	9	R 0,96	55					**	R 0,96	85			**
Systemic Hormonal preparations, excluding sex hormones and insulins	R 0,97	577	R 1,00	134	R 0,97	57	R 0,96	385			R 0,97	1	p < 0,05	R 0,97	567	R 0,98	10	P < 0,05
Various	R 0,97	24	R 0,97	7	R 0,93	6	R 1,00	11					**	R 0,97	23	R 1,17	1	P < 0,05
p value	**		**		**		**		**		**			**		**		
BAYER ASPIRIN®																		
Alimentary Tract and Metabolism	R 1,13	1225	R 1,16	296	R 1,14	118	R 1,12	797			R 1,20	14	p < 0,05	R 1,13	1200	R 1,15	25	**
Antineoplastic and Immunomodulating	R 1,12	33	R 1,21	6	R 1,16	4	R 1,08	23					**	R 1,12	33			**

agents																		
Antiparasitic Products	R 1,12	14	R 1,14	5	R 1,12	3	R 1,11	6				**	R 1,12	14			**	
Blood and Blood forming Organs	R 1,14	2754	R 1,16	886	R 1,15	233	R 1,13	1598			R 1,18	37	p < 0.05	R 1,14	2685	R 1,11	69	p < 0.05
Cardiovascular System	R 1,14	2591	R 1,16	797	R 1,15	217	R 1,13	1543			R 1,19	34	p < 0.05	R 1,14	2533	R 1,12	58	p < 0.05
Central Nervous System	R 1,13	726	R 1,15	263	R 1,13	71	R 1,13	385			R 1,11	7	**	R 1,14	701	R 1,08	25	p < 0.05
Dermatological	R 1,16	39	R 1,23	13	R 1,27	6	R 1,09	20					p < 0.05	R 1,16	38	R 1,36	1	p < 0.05
General Anti-Infectives for Systemic use	R 1,19	103	R 1,19	56	R 1,19	16	R 1,18	30			R 1,12	1	**	R 1,20	86	R 1,15	17	p < 0.05
Genitourinary System and Sex Hormones	R 1,13	232	R 1,12	80	R 1,11	21	R 1,14	129			R 1,37	2	**	R 1,13	230	R 0,88	2	p < 0.05
Musculoskeletal System	R 1,13	501	R 1,15	181	R 1,15	55	R 1,12	258			R 1,16	7	**	R 1,14	470	R 1,11	31	p < 0.05
Respiratory System	R 1,14	217	R 1,18	82	R 1,16	23	R 1,11	111			R 1,12	1	p < 0.05	R 1,14	202	R 1,11	15	p < 0.05
Sensory Organs	R 1,13	59	R 1,14	17	R 1,12	2	R 1,12	40					**	R 1,13	57	R 1,01	2	p < 0.05
Systemic Hormonal preparations, excluding sex hormones and insulins	R 1,13	354	R 1,15	111	R 1,11	35	R 1,12	201			R 1,11	7	**	R 1,13	343	R 1,11	11	p < 0.05
Various	R 1,15	19	R 1,15	8	R 1,08	4	R 1,20	6			R 1,12	1	**	R 1,15	19			**
p value:	p < 0.05		**		**		p < 0.05				**		p < 0.05		**			

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² * indicates that there was an insufficient amount of values to use for the calculation.

** there was no significant difference.

ASF – Average Submitted Fee; n – number of claims

Supplementary Table 3: Average prices in the low/middle/high income areas (per tablet/ml)

Schedule Zero Analgesic	Low Income Area Average Prices: (ZAR)	n	Middle Income Area Average Prices: (ZAR)	n	High Income Area Average Prices: (ZAR)	n
Anadin® tablets 10's	0.00	0	1.15	4	1.45	2
Anadin® tablets 20's	1.10	3	1.12	2	1.11	2
Anadin® tablets 50's	0.92	1	0.96	1	0.70	1
Anadin® tablets 100's	0.00	0	0.62	1	0.00	0
Anadin® extra strength 10's	0.00	0	1.16	2	1.50	1
Anadin® extra strength 30's	1.20	1	1.02	3	1.02	2
Bayer Aspirin Cardio® 30's	1.05	3	1.44	5	1.48	6
Bayer Aspirin® 30's	1.23	1	1.42	5	1.33	3
Bayer Aspirin® 100's	0.00	0	0.80	1	0.90	1
Calpol® 50ml	0.46	1	0.48	4	0.51	4
Calpol® 100ml	0.00	0	0.42	7	0.44	8
Clicks Paracetamol® tablets 24's	0.00	0	1.02	2	0.58	2
Compral® tablets 50's	0.77	2	0.68	8	0.66	5
Compral® tablets 100's	0.65	2	0.62	7	0.67	5
Compral® tablets 24's - Blister Pack	0.85	3	0.80	7	0.80	4
Compral® powder 10's	1.40	2	1.42	8	1.38	5
Compral® powder 24's	0.00	0	0.83	1	1.12	2
Compral® powder 38's	0.84	1	0.90	4	0.89	2
Disprin® regular strength 12's	1.52	2	1.36	8	1.32	6
Disprin® regular strength 24's	1.20	1	1.12	12	1.22	6
Disprin® regular strength 48's	1.09	2	0.97	8	1.20	7
Disprin® regular strength 96's	0.00	0	0.83	2	0.81	3
Disprin® extra strength 16's	1.54	3	1.74	8	1.70	5
Disprin® extra strength 24's	1.65	3	1.70	13	1.66	9
Disprin® extra strength 48's	1.31	2	1.30	7	1.48	5
Disprin® Melts 8's	1.62	1	1.59	4	1.75	4
Disprin® Melts 32's	0.00	0	1.61	2	1.37	1
Disprin® Cardiocare 30's	1.65	2	1.53	7	1.59	9
Disprin® Cardiocare 60's	1.07	1	1.16	4	1.24	3
Dolorol® 20's	0.85	1	0.85	2	0.00	0
Ecotrin® 50's	1.00	1	1.02	5	1.13	5
Ecotrin® 100's	0.96	1	0.95	8	0.96	4
Grandpa® tablets 24's	1.00	2	0.97	8	0.95	6

Grandpa® tablets 38's	0.96	4	0.74	7	0.98	5
Grandpa® tablets 50's	0.00	0	0.83	5	0.82	1
Grandpa® tablets 76's	0.72	1	0.74	4	0.70	2
Grandpa® tablets 10's - Blister pack	0.00	0	1.26	8	1.37	3
Grandpa® Paracetamol tablets 10's	0.00	0	1.68	6	1.55	4
Grandpa® Paracetamol tablets 20's	0.00	0	1.14	7	1.16	6
Grandpa® powder 12's	2.04	2	1.93	6	2.19	6
Grandpa® powder 25's	1.38	5	1.63	11	1.47	4
Grandpa® powder 38's	1.27	2	1.40	9	1.41	6
Medlemon® 8's	4.31	2	4.62	6	4.55	10
Medlemon® 18's	0.00	0	3.67	5	3.59	7
Medlemon® Child 8's	4.36	1	4.32	3	4.31	2
Myoprin eff 30's	0.90	1	0.86	3	0.00	0
Napamol 100ml	0.06	1	0.06	2	0.16	1
Panado® tablets 24's - Blister/tub	1.04	6	0.97	11	0.99	10
Panado® tablets 10's - Dispenser pack	0.00	0	2.34	2	1.50	1
Panado® Capsules 20's	1.31	3	1.42	10	1.45	7
Panado® syrup 50ml	0.49	2	0.52	3	0.49	3
Panado® syrup 100ml	0.41	4	0.43	8	0.41	9
Panado® Paed s/a free 100ml	0.44	1	0.44	2	0.00	0
Panado® eff 16's	0.00	0	1.00	7	1.67	4
Panado® Meltabs 12's	0.00	0	2.41	2	2.33	1
Panado® medisip sachets 8's	3.13	1	3.15	5	3.52	5
Panado® infant drops 20ml	1.83	1	1.79	4	1.97	4
Painblok® tablets 10's	0.90	0	0.80	0	0.80	1
Painblok® tablets 24's	1.00	1	0.62	3	0.62	2
Painblok® 50ml	0.00	1	0.16	3	0.00	1
Painblok®100ml	0.15	0	0.09	2	0.00	0
Paramed Paracetamol® tablets 24's	0.00	3	0.00	1	0.88	0
Parapain® 50ml	0.00	0	0.22	1	0.00	0
Solusprin® 24's	0.00	0	0.37	1	0.00	0
Woodwards Paracetamol® 100ml	0.00	0	0.22	2	0.26	2

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³ n is the number of times an item was located within the economic area.

Supplementary Table 4: P values for schedule zero analgesic medicines when prices were compared within an economic area

Schedule Zero Analgesic:	Low income:	Middle Income:	High Income:
	P values:		
Anadin® tablets 10's	n/a	1	1
Anadin® tablets 20's	1	0.874	0.985
Anadin® extra strength 10's	n/a	0.91	n/a
Anadin® extra strength 30's	n/a	1	0.795
Bayer Aspirin Cardio® 30's	0.985	0.966	0.954
Bayer Aspirin® 30's	n/a	0.941	0.991
Calpol® syrup 50ml	n/a	0.809	1
Calpol® syrup 100ml	n/a	0.895	0.92
Clicks Paracetamol® 24's	n/a	0.97	n/a
Compral® tablets 50's	0.975	0.966	0.914
Compral® tablets 100's	n/a	0.917	1
Compral® tablets 24's Blister pack	0.975	0.927	1
Compral® Powder 10's	1	0.992	1
Compral® Powder 24's	n/a	n/a	0.981
Compral® Powder 38's	n/a	0.961	0.874
Disprin® Regular 12's	0.988	1	1
Disprin® Regular 24's	n/a	0.964	0.991
Disprin® Regular 48's	n/a	0.965	0.99
Disprin® Regular 96's	n/a	n/a	0.84
Disprin® Extra 16's	1	0.969	0.99
Disprin® Extra 24's	0.86	0.953	0.96
Disprin® Extra 48's	n/a	0.864	0.988
Disprin® Melts 8's	n/a	0.986	0.975
Disprin® Melts 32's	n/a	1	n/a
Disprin® Cardiocare 30's	1	1	0.972
Disprin® Cardiocare 60's	n/a	0.936	1
Ecotrin® 50's	n/a	0.946	0.971
Ecotrin® 100's	n/a	0.95	0.964
Grandpa® Tablets 24's	n/a	0.86	0.951
Grandpa® Tablets 38's	0.955	0.915	0.97
Grandpa® Tablets 50's	n/a	0.968	n/a
Grandpa® Tablets 76's	n/a	1	1
Grandpa® Tablets 10's Blister pack	n/a	0.982	0.991
Grandpa® Paracetamol tablets 10's	n/a	0.988	1

Grandpa® Paracetamol tablets 20's	n/a	0.892	0.937
Grandpa® Powder 12's	1	0.975	0.995
Grandpa® Powder 25's	0.936	0.956	1
Grandpa® Powder 38's	0.986	1	0.973
Medlemon® 8's	0.997	0.993	0.997
Medlemon® 18's	n/a	0.971	0.975
Medlemon® Child 8's	n/a	1	0.951
Myoprin 30's	n/a	0.86	n/a
Panado® Tablets 24's	1	0.986	0.968
Panado® Tablets 10's	n/a	0.994	n/a
Panado® Capsules 20's	1	1	0.962
Panado® syrup 50ml	1	0.874	1
Panado® syrup 100ml	0.898	0.954	0.969
Panado® eff 16's	n/a	0.975	0.969
Panado® meltabs 12's	n/a	0.992	n/a
Panado® medisip 8's	n/a	0.971	1
Panado® infant drops 20ml	n/a	1	0.981
Painblok® syrup 50ml	n/a	1	n/a
Painblok® syrup 100ml	0.912	n/a	n/a
Woodwards Paracetamol® 100ml	n/a	0.795	1

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⁴ n/a indicates that the average prices were the same and hence a standard deviation of zero