



INTERNATIONAL
OLYMPIC
COMMITTEE

IOC Anti-Doping Testing Statistics 2002

October 2004



IOC Statistics 2002, Table 1
Overview on the results reported by the IOC accredited laboratories
(n = 26)

Classification Of Events	A Samples Analysed	A Sample Positive	%
National Competitors	38331	977	2,55
International Competitors	19353	518	2,68
Major International	12530	233	1,86
Not at Competition	61159	643	1,05
Total	131373	2371	1,80

Differentiation between Olympic and Non-Olympic

	A samples analysed	A samples Positive	%
Olympic Sport	91676	1538	1,68
Non Olympic Sport	39693	833	2,10
Total	131369	2371	1,80

Classification Of Events in Non-Olympic Sports	A Samples Analysed	A Sample Positive	%
National Competitors	8644	359	4,15
International Competitors	2701	70	2,59
Major International	2332	79	3,39
Not at Competition	26016	325	1,25
Total	39693	833	2,10

Classification Of Events in Olympic Sports	A Samples Analysed	A Sample Positive	%
National Competitors	29687	618	2,08
International Competitors	16652	448	2,69
Major International	10198	154	1,51
Not at Competition	35139	318	0,90
Total	91676	1538	1,68

* A samples having found to contain banned substances are summarized under the headline "A samples positive". This figure may not to be identical with the sanctioned cases, as the figures given in this report contain findings with salbutamol and terbutaline which, nevertheless, may be given as an aerosol form permitted by IOC regulations. Some positive samples also correspond to multiple measurements performed on the same athlete in the case of longitudinal studies on testosterone

IOC Statistics 2002, Table 2

Number of substances identified in the banned classes

	Substance Group	Number	%
A.	Stimulants	392	14.9
B.	Narcotics	13	0.5
C.	Anabolic Agents	966	36.8
A/C.	Beta Agonist	382	14.5
D.	Beta Blockers	15	0.6
E.	Diuretics	144	5.5
F.	Masking agents	8	0.3
G.	Peptide Hormones	41	1.6
H.	Others	665	25.3
	Total	2626	100.0

IOC Statistics 2002, Table 3

Number of substances identified in the banned classes

A. Stimulants

Total *:	392
ephedrine	147
pseudoephedrine	77
cocaine	36
amfetamine	29
caffeine	25
phenylpropanolamine	12
heptaminol	11
methamfetamine	6
phentermine	6
nikethamide	6
pemoline	5
methylphenidate	5
methylenedioxyamfetamine (MDMA)	4
clobenzorex	3
bupropion	3
phenylephrine	3
methylenedioxyamfetamine (MDA)	2
methylephedrine	2
fencamfamine	2
etamivan	2
carphedon	2
strychnine	1
cathine	1
mephentermine	1
p-hydroxy-amphetamine	1

* some positive results correspond to multiple detection of ephedrines in the same athlete

B. Narcotics

Total :	13
morphine	10
pethidine	2
Methadone	1

C. Anabolic Agents

Total *:	966
testosterone	325
nandrolone	310
stanozolol	162
methandienone	57
metenolone	29
methyltestosterone	25
boldenone	25
mesterolone	13
androstenedione	7
clostebol	5
oxandrolone	2
Norbolethone	2
fluoxymesterone	2
danazol	2

* some positive results correspond to multiple measurements on the same athlete in the case of longitudinal studies on testosterone

A/C. Beta Agonists

Total *:	382
salbutamol	261
terbutaline	97
clenbuterol	23
fenoterol	1

* results on salbutamol and terbutaline may correspond to administration by aerosol which are permitted by IOC regulations

D. Betablockers

Total :	15
propranolol	6
metoprolol	3
bisoprolol	3
atenolol	2
sotalol	1

IOC Statistics 2002, Table 3 (cont.)

Number of substances identified in the banned classes

E. Diuretics

Total:	144
furosemide	66
hydrochlorothiazide	38
canrenone	16
triamterene	9
amiloride	5
bumetanide	3
indapamide	2
chlortalidone	2
xipamide	1
piretanide	1
acetazolamide	1

F. Masking Agents

Total:	8
probenecid	5
epitestosterone	3

G. Peptide hormones mimetics and analogues

Total:	41
hCG	19
erythropoietin	12
tamoxifen	4
darbopoyetin	3
aminoglutethimide	2
clomiphene	1

H. Others

Total:	665
cannabis	347
lidocaine	48
mepivacaine	6
bupivacaine	5
prilocaine	2
oxazepam	2
flecainide	2
tetrazepam	1
temazepam	1
triamcinolone acetonide	131
betamethasone	75
prednisolone	25
methylprednisolone	9
dexamethasone	4
budenoside	3
desonide	2
plasma expanders (HES)	2

IOC Statistics 2002, Table 4
Laboratories broken down by Events

Laboratory	With National Participants			With International Participants			Major International Championship			Out Of Competition			Total		
	N Total	N Pos	%	N Total	N Pos	%	N Total	N Pos	%	N Total	N Pos	%	N Total	N Pos	%
athens	1451	29	2,00	280	3	1,07	198	0	0,00	569	5	0,88	2498	37	1,48
barcelona	883	21	2,38	64	1	1,56	249	17	6,83	2199	34	1,55	3395	73	2,15
beijing	1552	11	0,71	0	0	0	0	0	0	2515	12	0,48	4067	23	0,57
bloemfontein	963	39	4,05	331	3	0,91	105	3	2,86	957	6	0,63	2356	51	2,16
cologne	1339	20	1,49	644	9	1,40	4840	60	1,24	3041	25	0,82	9864	114	1,16
gent	2007	83	4,14	1527	40	2,62	50	3	6,00	684	26	3,80	4268	152	3,56
helsinki	754	18	2,39	108	2	1,85	322	2	0,62	1077	7	0,65	2261	29	1,28
huddinge	1005	16	1,59	296	10	3,38	155	0	0,00	2072	9	0,43	3528	35	0,99
kreischa	1237	21	1,70	1294	8	0,62	492	0	0,00	2724	20	0,73	5747	49	0,85
lausanne	1117	43	3,85	1402	43	3,07	101	4	3,96	1049	32	3,05	3669	122	3,33
lisbon	1665	31	1,86	121	0	0,00	473	17	3,59	462	8	1,73	2721	56	2,06
london	2587	46	1,78	1453	23	1,58	1213	15	1,24	3217	21	0,65	8470	105	1,24
los angeles	5158	60	1,16	0	0	0	0	0	0	22685	217	0,96	27843	277	0,99
madrid	3762	84	2,23	1243	68	5,47	579	17	2,94	1723	21	1,22	7307	190	2,60
montreal	1140	22	1,93	1225	33	2,69	566	15	2,65	2332	30	1,29	5263	100	1,90
moscow	1002	14	1,40	284	2	0,70	0	0	0	689	12	1,74	1975	28	1,42
oslo	1233	33	2,68	359	11	3,06	185	0	0,00	3276	36	1,10	5053	80	1,58
paris	3511	223	6,35	2084	203	9,74	768	32	4,17	1454	49	3,37	7817	507	6,49
penang	400	36	9,00	94	0	0,00	264	6	2,27	179	3	1,68	937	45	4,80
prague	891	24	2,69	459	6	1,31	187	4	2,14	241	3	1,24	1778	37	2,08
rome	687	12	1,75	3685	30	0,81	1000	27	2,70	842	18	2,14	6214	87	1,40
seibersdorf	201	5	2,49	332	8	2,41	88	1	1,14	782	7	0,90	1403	21	1,50
seoul	67	7	10,45	1124	2	0,18	53	0	0,00	465	9	1,94	1709	18	1,05
sydney	2063	57	2,76	31	0	0,00	642	10	1,56	5060	27	0,53	7796	94	1,21
tokyo	1047	5	0,48	663	2	0,30	0	0	0	712	1	0,14	2422	8	0,33
tunis	609	17	2,79	250	11	4,40	0	0	0	153	5	3,27	1012	33	3,26
Total	38331	977	2,55	19353	518	2,68	12530	233	1,86	61159	643	1,05	131373	2371	1,80

IOC Statistics 2002, Table 5

Number of samples analysed in Olympic Sports

Sport	Discipline	Total		
Acquatics	Diving	252	7569	
	Swimming	6823		
	Synchronised swimming	100		
	Water Polo	394		
Archery	Archery	449		
Athletics	Athletics	16336		
Badminton	Badminton	717		
Baseball	Baseball	1070		
Basketball	Basketball	3223		
Biathlon	Biathlon	787		
Bobsleigh	Bobsleigh	523		647
	Tobogganing	84		
	Skeleton	40		
Boxing	boxing	1708		
Canoeing	Canoeing	1955		
Curling	Curling	197		
Cycling	cycling	10668		
Equestrian	Equestrian	892		
Fencing	Fencing	1178		
Football	Football	15098		
Gymnastics	Artistic gymnastics	1302		1348
	Rhythmic Gymnastics	18		
	Trampoline	28		
Handball	Handball	1544		
Hockey	Hockey	1197		
Ice hockey	Ice hockey	1607		
Judo	Judo	2358		
Karatedo	Karatedo	528		
Luge	Luge	152		
Modern pentathlon	Modern pentathlon	389		
Rowing	Rowing	2028		
Sailing	Sailing	354		
Shooting	Shooting	1504		
skating	skating	1513		2031
	Speed Skating	275		
	Figure skating	243		
Skiing	Alpine skiing	2373		2736
	Cross Country Ski	159		
	ski jumping	63		
	snowboard	102		
	combined skiing	26		
	freestyle skiing	13		
Table Tennis	Table Tennis	612		
Taekwondo	Taekwondo	678		
Tennis	Tennis	2240		
Volleyball	Volleyball	1868	1932	
	Beach volleyball	64		
Weightlifting	Weightlifting	4216		
Wrestling	Wrestling	1728		
Total		91676		