

STATISTICAL REVIEW AND MATCH ANALYSIS

IRB GAME ANALYSIS



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The Competition

All RWCs, since they started in 1987, are remembered for a range of reasons – spectacular tries, exciting contests and memorable team performances and so on. RWC 2011 - while it had its fair share of exciting tries, matches and performances - will be also be remembered as the tournament that was characterised by intense competition which started in the first days of the tournament.

While history showed that from day one, runaway wins with huge winning margins were an expected element in RWC, this was not the case in RWC 2011. It soon became clear that from early results that there had been a measurable improvement in the performances of Tier 2 teams – ie those teams that that do not play in the northern hemisphere's 6 Nations competition and the southern hemisphere's Rugby Championship.

An examination of the first weekend's matches illustrates this.

During that weekend, there were 4 Tier 1 v Tier 2 matches - in RWC 2007 and RWC 2003 there were 6. The following table shows the points differentials in each of these games comparing the results between the last 3 Rugby World Cups



Tier1 v Tier2 matches	matches	Points difference	Average points difference
RWC 2011	4 matches	10, 12, 26, 31	20
RWC 2007	6 matches	15, 18, 25, 46, 52, 88	41
RWC 2003	6 matches	21, 28, 31, 43, 66, 78	45

The table shows that that the average points difference in those matches played was less than half that seen in RWC 2007 and RWC 2003 – with this increased competitiveness being reinforced by looking at the scores after 60 minutes play, and 70 minutes play.

In the 4 matches in RWC2011, the difference in scoring at these stages of the game was as follows:

	Points difference	Average points difference
Points difference at 60 minutes	4,4,19,31	15
Points difference at 70 minutes	0, 14,19,31	16
Points difference at 80 minutes	10,12,26,31	20

What this table showed was that the Tier 2 teams were competitive for all 80 minutes of the game. The Tier 1 teams did not pull away over the last 20 minutes which was frequently the case in previous World Cups.

Further evidence confirmed this improvement. In RWC 2011, eight of the 10 Tier 2 teams conceded far fewer points in their first match than their second. The average points margin in their first matches was 22 a figure far lower than previous world cups.

This improvement could not be maintained however - their second matches saw average margins increase from 22 to 52.

This widening of margins remained as the 2011 tournament progressed with the raw data showing that, at the end of the Pool stage, the average points differentials had changed little - if at all – from previous RWCs. It remained at just under 40 points per game.

This could not however disguise the encouraging fact that, in RWC 2011, the early matches in RWC 2011 were hugely more competitive than in previous world cups. The problem for the Tier 2 countries was maintaining that level of competitiveness as the tournament progressed – and this defines the challenge. What changes need to be made, what programmes need to be developed, what resources need to be utilised to maintain the improvement that so clearly manifested itself in RWC 2011.

This improved competitiveness was not confined to Tier 1 v Tier 2 matches however. When Tier 1 teams played each other the results were also far closer in RWC 2011 than in earlier tournaments.

At the end of the Pool stage, the average points margin in these Tier 1 matches was just 12. This showed a marked difference from RWCs 2007 and 2003. In those tournaments, the average margins at the Pool stage were 26 and 22. Further, in only two games in each of those tournaments was there a margin of less than 10 points. In 2011, there were 5 such matches.

This competitiveness continued at the knockout stages where in the final 8 matches, the average points difference was 8 with 5 matches having a points margin of 7 or less, with one semi-final and the final each having a one point margin.

The Shape of the Game

The overall shape of the game has changed dramatically since 1995, the time when the game went professional. A brief comparison with RWC 1995 shows that:

- Ball in play has increased by 33%
- Passes have gone from 179 per game to 263 an increase of almost 50%
- Rucks/mauls have more than doubled going up by almost one hundred from 69 per game to 162 per game
- Kicks have gone down from 75 to 41 per game
- and scrums have gone down from 27 to 17 with lineouts down from 37 to 24.



The focus of the game has moved therefore. From a time when there were as many set pieces as breakdowns, there are now four times as many breakdowns as scrums plus lineout. From between two and three rucks per scrum in 1995, the ruck to scrum ratio is now ten to one.

These changes happened relatively quickly after 1995. The changes since RWC 2003 have been far more gradual. A comparison with RWC 2003 and RWC 2007 shows that ball in play is similar, the playing elements of ruck, passes and kicks are slightly up, kicks have gone down and the set pieces of scrum and lineout have seen just a steady reduction. The overall shape of the game has not seen a major change. This is shown in the following table:

Ball in play
Passes
Rucks/mauls
Kicks
Scrums
Lineouts
Penalties/FKs

RWC 2011	RWC 2007	RWC 2003
44%	44%	42%
262	224	241
162	144	136
41	56	52
17	19	21
24	31	33
21	19	24

Averages can however conceal extremes and so it was four years ago in RWC 2007 with kicks from hand. While the average number per game was 56 compared with 52 in 2003, the semi finals and final showed a huge increase over other matches.

In the 2007 RWC final there were 91 such kicks, and in the 2 semi-finals, 86 and 85 respectively. These figures were some 50% higher than those seen international matches leading up to the competition and were not regarded as a particularly positive element of the game. A common explanation of this trend was that it reflected a safety first approach in matches that were played at the knockout stage of tournaments. This may have been true but the trend then continued into Tier1 matches played in the 3 years subsequent to the 2007 Tournament – matches that were never subject to a knockout stage. Kicks from hand remained at a high level. Then, for whatever reason, the trend was suddenly reversed so that leading up to RWC 2011, kicks out of hand in Tier 1 international matches, were at the lowest level for at least a decade.

This trend continued into RWC 2011 – so that instead of seeing a total of 262 kicks out of hand in the final and semi-finals, in RWC 2011, the total kicks numbered 184. Instead of

91, 86 and 85 kicks in the final three matches, in this year's tournament the figures were 47, 68 and 69 respectively.

This positive development was not however reflected at <u>scrums</u> which was another area where the overall data hid significant and important issues.

Research shows that at Tier1 level of the game, there are many more collapses, scrum penalties and free kicks than at any Tier below – and this



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has once again been confirmed in RWC 2011. This can be seen in the following table where the 40 Pool matches were divided into 3 groups of matches – those between Tier 1 countries, those between Tier1 and Tier 2 countries and those played between Tier 2 countries.

RWC 2011	Collapses per	Resets per 100	Pens/fkicks per 100
40 matches	100 scrums	scrums	scrums
Tier 1 v Tier 1	50	31	41
Tier 1 v Tier 2	34	17	29
Tier 2 v Tier 2	19	9	17

The table shows the extent – and extremes - of the variation. In Tier2 matches, there were just 19 collapses per 100 scrums compared with 50 at Tier 1 level, while penalties and free kicks per 100 scrums went from 19 at Tier2 level to 41 at Tier 1.

Many Tier 1 matches are therefore faced with a singular problem – and it is not the just fact that collapses and resets are an undesired and unsatisfactory part of the game. The combination of fewer scrums and more penalties has resulted in scrum ball becoming a diminishing element of the possession mix. The following table illustrates this:

Pool matches - SCRUMS	No of times ball back into play – average no of times per game
Tier 1 v Tier 1 teams	8 times per game
Tier 1 v Tier 2 teams	12 times per game
Tier 2 v Tier 2 teams	18 times per game

Tier 1 matches also produced extremes. While in one game in RWC 2011, scrum ball came back into play 21 times, in another the ball emerged into play just twice in the 80 minutes. This is therefore a game issue – scrums are changing the shape of the game at its highest level.

On a more positive note however, seeds of change could be emerging. While Tier 1 matches leading up to RWC and at Pool stage produced a consistent penalty/free kick rate of between 40 and 50 per 100 scrums, the 8 Tier 1 matches played at the knock out stage of RWC2011 saw seen this rate reduce to 27.

While continuing with sanctions, RWC also confirmed that the yellow card does not produce the points benefit that is sometimes claimed. Many exaggerated claims have been made as to the points value of having an extra player on the field for 10 minutes but analysis over the years has shown that many of these claims bear little resemblance to the facts – and this was confirmed in RWC 2011:

- In no case did the points scored in the sin bin period account for the difference in points between the winning and losing teams
- In over 50% of the occasions when a yellow card was awarded, the team with 15 players received no points benefit whatsoever
- On 4 of the 6 occasions when a team benefitted by 7 points or more, that team was already in the lead by 55 points, 37 points, 29 points and 21 points respectively.

A conclusion that can be made therefore is that while a team with 14 players may well suffer physically as a result playing with a reduced number of players, on most occasions no points are conceded and when points are conceded, only on very few occasions could they have an impact on the final result.

As noted above, overall, the shape of the game has seen no major changes over the last 3 Rugby World Cups. The change since the game became professional in 1995 however has been extensive – and the extent of the various changes is shown in the final appendix to the attached report. What has not changed however, throughout the whole history of RWC from its inception in 1987, is the impact of tries in winning matches.

In RWC 2011 the winning team scored the most tries in just under 80% of matches – and in only one match did the team scoring the fewer tries win the game. It has always been thus in both RWC and other senior internationals. Of the 281 RWC matches played since its inception in 1987, 84% were won by the team scoring the most tries and only 11(or 4%) were won by the team scored the fewest tries but kicked the most penalty goals.

It goes without saying however that kicking remains important. When tries are equal, penalties can make a crucial difference both in the flow of the game and the final score. The history of RWC has shown that as the tournament progresses into the knock-out

stages, so penalty goals increase while tries decrease. As an illustration of this; while there were 4 tries scored in the final of the first RWC in 1987, in the six subsequent RWC finals, a total of 7 tries have scored while 37 penalty goals have been kicked. Despite this overwhelming preponderance of penalty goals, not a single final has been won by a team scoring the fewest number of tries.



This year's final was no different. Two tries were scored but only 1 penalty goal was kicked – and if a close score and a highly competitive and dramatic final is one of the elements that defines a successful tournament, then that was provided in the last match of RWC 2011.



POOL A



NEW ZEALAND FRANCE TONGA CANADA JAPAN

Р	W	D	L	PF	PA	TF	TA	BP	PTS
4	4	0	0	240	49	36	6	4	20
4	2	0	2	124	96	13	9	3	11
4	2	0	2	80	98	7	13	1	9
4	1	1	2	82	168	9	20	0	6
4	0	1	3	69	184	8	25	0	2

New Zealand	41 - 10	Tonga
France	47 - 21	Japan
Tonga	20 - 25	Canada
New Zealand	83 - 7	Japan
France	46 - 19	Canada
Tonga	31 - 18	Japan
New Zealand	37 - 17	France
Canada	23 - 23	Japan
France	14 - 19	Tonga
New Zealand	79 - 15	Canada

POOL B



ENGLAND
ARGENTINA
SCOTLAND
GEORGIA
ROMANIA

P	W	D	L	PF	PA	TF	TA	BP	PTS
4	4	0	0	137	34	18	1	2	18
4	3	0	1	90	40	10	3	2	14
4	2	0	2	73	59	4	4	3	11
4	1	0	3	48	90	3	9	0	4
4	0	0	4	44	169	3	21	0	0

Scotland	34 - 24	Romania
Argentina	9 - 13	England
Scotland	15 - 6	Georgia
Argentina	43 - 8	Romania
England	41 - 10	Georgia
England	67 - 3	Romania
Argentina	13 - 12	Scotland
Georgia	25 - 9	Romania
England	16 - 12	Scotland
Argentina	25 - 7	Georgia

POOL C



IRELAND
AUSTRALIA
ITALY
USA
RUSSIA

Р	W	D	L	PF	PA	TF	TA	BP	PTS
4	4	0	0	135	34	15	3	1	17
4	3	0	1	173	48	25	4	3	15
4	2	0	2	92	95	13	11	2	10
4	1	0	3	38	122	4	18	0	4
4	0	0	4	57	196	8	29	1	1

Australia	32 - 6	Italy
Ireland	22 - 10	USA
Russia	6 - 13	USA
Australia	6 - 15	Ireland
Italy	53 - 17	Russia
Australia	67 - 5	USA
Ireland	62 - 12	Russia
Italy	27 - 10	USA
Australia	68 - 22	Russia
Ireland	36 - 6	Italy

POOL D



SOUTH AFRICA WALES SAMOA FIJI

NAMIBIA

Р	W	D	L	PF	PA	TF	TA	BP	PTS
4	4	0	0	166	24	21	2	2	18
4	3	0	1	180	34	23	4	3	15
4	2	0	2	91	49	10	5	2	10
4	1	0	3	59	167	7	19	1	5
4	0	0	4	44	266	5	36	0	0

Fiji	49 - 25	Namibia
South Africa	17 - 16	Wales
Samoa	49 - 12	Namibia
South Africa	49 - 3	Fiji
Wales	17 - 10	Samoa
South Africa	87 - 0	Namibia
Fiji	7 - 27	Samoa
Wales	81 - 7	Namibia
South Africa	13 - 5	Samoa
Wales	66 - 0	Fiji



QUARTER FINALS

IRELAND	10 - 22	WALES
ENGLAND	12 - 19	FRANCE
SOUTH AFRICA	9 - 11	AUSTRALIA
NEW ZEALAND	33 - 10	ARGENTINA
	SEMI FINALS	
WALES	8 - 9	FRANCE
AUSTRALIA	6 - 20	NEW ZEALAND
	BRONZE FINAL	
AUSTRALIA	21 - 18	WALES
	FINAL	
NEW ZEALAND	8 - 7	FRANCE





	MOST POINTS			MOST TRIES	
SA RUGBY.	Morné Steyn	62	FFR	Vincent Clerc	6
5	James O'Connor	52		Chris Ashton	6
	Kurt Morath	45	RUGBY UNION	Israel Dagg	5
***	Ronan O'Gara	44	*	Keith Earls	5
RUGBY LINION	Piri Weepu	41	(B)	Adam Ashley-Cooper	5



This Report is divided into 4 sections.

- Section 1 takes a brief look at constituent game elements in RWC 2011 and compares them to RWC 2007.
 - Section 2 comprises a detailed statistical analysis of all matches played in the tournament, together with all the match results.
- Section 3 contains a one-page-per-team summary of key statistics relating to each of the 20 participating teams
- Section 4 compares the shape of the game as reflected through RWC 1995, the last of the amateur era, with the shape of the game as reflected in RWC 2011.

SECTION 1 – SUMMARY OF CONSTITUENT GAME ELEMENTS

In many of its core elements, RWC 2011 showed little change from RWC2007 as shown in the following comparisons:

POINTS
TRIES
PENALTY GOALS
DROP GOALS
BALL IN PLAY
PASSES
RUCK/MAULS
KICKS
LINEOUTS
SCRUMS
PENALTIES

RWC	RWC
2011	2007
47	52
5.5	6.2
3.6	3.7
0.4	0.3
44%	44%
263	224
162	144
41	56
24	31
17	19
21	19

As implied in the Commentary however, the above figures hide a number of contrasts and interesting trends that are covered more fully in the main report.

SECTION 1 – SUMMARY OF CONSTITUENT GAME ELEMENTS

RWC RWC

The following data also comes from the detailed report that follows and reflects in summary form the modern game as expressed through this year's RWC.

		KWC
	2011	2007
% of points from TRIES	58%	60%
% of points from PENALTY GOALS	23%	21%
% of points from CONVERSIONS	16%	17%
% of points from DROP GOALS	3%	2%
,	C 75	_/*
TRIES per game	5.5	6.2
PENALTY GOALS per game	3.6	3.7
DROP GOALS per game	0.4	0.3
Ditor GOALO per guine	0.4	0.0
TRIES SCORED BY BACKS	73%	61%
TRIES SCORED BY FORWARDS	27%	39%
TRIES SCORED BT FORWARDS	21 /0	39 /0
0/ of MATCHES with point margin of 20 or loss	EC0/	F00/
% of MATCHES with point margin of 20 or less	56%	50%
CONVERSION SUCCESS BATE	CO 0/	740/
CONVERSION SUCCESS RATE	69%	71%
PENALTY GOAL SUCCESS RATE	59%	72%
DROP GOAL SUCCESS RATE	36%	17%
% of matches won by TEAM SCORING MOST TRIES	79%	81%
matches won by TEAM SCORING LEAST TRIES	2%	8%
% of TRIES FROM LINEOUT POSSESSION	36%	32%
% of TRIES FROM SCRUM POSSESSION	20%	18%
% of TRIES FROM PENALTY/FREE KICKS	7 %	9%
% of TRIES FROM TURNOVER/ERROR	17%	17%
% of TRIES FROM OPPONENTS KICKS	12%	19%
OTHER	8%	5%
BALL IN PLAY TIME	44%	44%
% of all PASSES MADE BY BACKS	36%	37%
% of all PASSES MADE BY SCRUM HALF	47%	44%
% of all PASSES MADE BY FORWARDS	17%	19%
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1170	1070
% of LINEOUT POSSESSION RETAINED	82%	80%
% of SCRUM POSSESSION RETAINED	88%	89%
% of RUCK/MAUL POSSESSION RETAINED	94%	92%
/0 OF ROCKINIAGE POSSESSION RETAINED	34 /0	3Z /0
YELLOW AND RED CARDS	18 yellow + 2	35 yellow + 2
I ELLOW AIND RED CARDS	red	red
REFERENCES TO TMO	56	57
REFERENCES IO INIO	<u></u> 36	5/



SCORING

There were 2245 points scored in the 48 matches played, giving an average of 47 points per game.

They were made up as follows:

Converted Tries Unconverted Tries Penalty Goals Drop Goals Total

Type of Sco	Type of Score				
Total	Points				
181	1267				
81	405				
171	513				
20	60				
	2245				

It can be seen that the % of points scored by tries has remained between 51% and 59% in all 7 RWCs.

There were fewer tries and fewer penalty goals per game in RWC 2011 than in any of the previous six tournaments. The following table shows the comparative figures for all 6 RWCs to date:

Scoring Details in RWC's

Total	Points
181	1267
81	405
171	513
20	60
	2245

	%
RWC 2011	58%
RWC 2007	52%
RWC 2003	59%
RWC 1999	59%
RWC 1995	53%
RWC 1991	51%
RWC 1987	55%

% of points scored by Tries

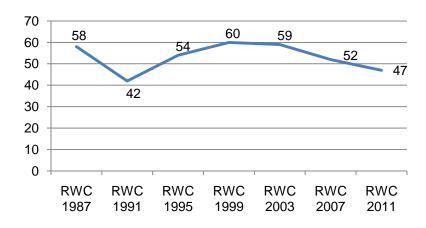
	Drop Goals 3%
Penalty Goals 23%	Converted Tries 56%
Unconverted Tries 18%	

	Av points per game	Av tries per game	Av pen goals per game	Try: penalty ratio	Drop Goals
RWC 2011	47	5.5	3.6	1.5 : 1	0.4
RWC 2007	52	6.2	3.7	1.7 : 1	0.3
RWC 2003	59	6.9	4.3	1.6 : 1	0.5
RWC 1999	60	5.9	6.2	0.9 : 1	0.5
RWC 1995	54	5.8	5.0	1.2 : 1	0.5
RWC 1991	42	4.6	4.0	1.2 : 1	0.5
RWC 1987	58	7.0	4.0	1.8 : 1	0.5

With an average points per game of 47, the overall team average per game is half that – ie 23.5 The chart shows the average points in all previous world cups.

Not surprisingly, points scored and conceded varied enormously throughout the various teams and the average points per team are shown. The table is in several columns since the scoring rate achieve at the pool stage can distort the overall average.

The table shows therefore, the average achieved in the pool stage and the actual points scored in the quarter final, semi final and final matches:



Points Scored and conceded

		Pool Average		Quarter final		Sen	ni final	Fi	inal
		FOR	AGAINST	FOR	AGAINST	FOR	AGAINST	FOR	AG
RUGBY UNION	NZL	60	12	33	10	20	9	8	
FFR	FRA	31	24	19	12	9	8	7	
55	AUS	43	12	11	9	9	20	21	
WRU	WAL	45	9	22	10	8	9	18	:
SA RUGBY.	SA	42	6	9	11				
	ENG	34	9	12	19				
* De	IRE	34	9	10	22				
UAR	ARG	23	10	10	33				
	ITA	23	24			•			
	SAM	23	12						
RUGBY	CAN	21	42						
	TON	20	25						
SCOTTISH	sco	18	15						
	JAP	17	46						
ECHTORICAL STATE OF THE PROPERTY OF THE PROPER	FJI	15	42						
Rugby Union of Russia	RUS	14	49						
	GEO	12	23						
ROMANIA	ROM	11	42						
	NAM	11	67]					
USAK	USA	10	31						

AGAINST 7

8

18

21

It is inevitable that there will be major contrasts as the tournament progresses since there are matches at the pool level with as many as 13 tries being scored by one team. The data shows however that the extent of points differences between teams has remained relatively consistent over recent world cups.

	% of Matches With Points Difference Over 20
RWC 2011	48%
RWC 2007	50%
RWC 2003	58%
RWC 1999	51%
RWC 1995	47%
RWC 1991	43%
RWC 1987	59%

In RWC 2011, there were **7** matches with points margins in excess of 50 points. This was two less than RWC 2007, but still some two and three times more than RWC 1999 and RWC 1995. Despite this, over one third of matches had margins of 10 points or less as can be seen below where the winning margins in all 48 matches are allocated into the various points categories:

Points Difference in RWC 2011

Points Difference	No of matches	Cumulative	RWC 2007
1 – 5	11	11	13 with 5 points or less
6 – 10	7	18	17 with 10 points or less
11 – 20	9	27	24 with 20 points or less
21 – 30	6	33	32 with 30 points or less
31 – 40	5	38	35 with 40 points or less
41 – 50	3	41	39 with 50 points or less
51+	7	48	48 with 51+ points or less

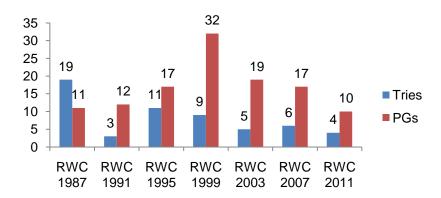
Highest team scores in RWC since 1987

RWC	Team	vs	Points
RWC 1995	New Zealand	Japan	145
RWC 2003	Australia	Namibia	142
RWC 2003	England	Uruguay	111
RWC 1999	England	Tonga	101
RWC 1999	New Zealand	Italy	101
RWC 2007	New Zealand	Portugal	108
RWC 2003	New Zealand	Tonga	91
RWC 2007	Australia	Japan	91
RWC 2003	Australia	Romania	90
RWC 1995	Scotland	Cote D'Ivoire	89
RWC 2011	South Africa	Namibia	87
RWC 2007	France	Namibia	87
RWC 2007	New Zealand	Romania	85
RWC 2003	England	Georgia	84
RWC 2011	New Zealand	Japan	83
RWC 2011	Wales	Namibia	81
RWC 2011	New Zealand	Canada	79
RWC 1987	New Zealand	Fiji	74

As mentioned above, the above figures reflect <u>all</u> results in the tournament. However, as the tournament progresses and matches get tighter, the scoring profiles invariably changes. Because of this, matches played in the 2011 RWC have been divided into 3 groups:

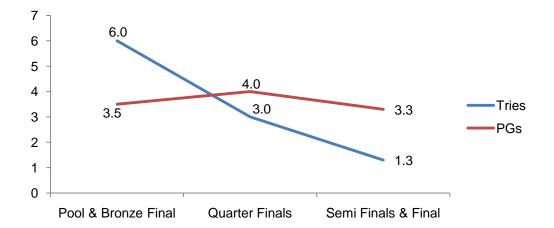
- 1 Pool matches plus Bronze Final
- 2 Quarter Finals
- 3 Semi Finals and Cup Final

The first chart below shows how penalty goals have consistently out-numbered tries at the Semi-Final and Cup Final stage.



The following table and chart shows how the relationship between tries and penalty goals changed dramatically as the RWC 2011 tournament proceeded. It also shows relatively little change from RWC 2007:

Pool matches and **Quarter finals** Semi Finals and **Bronze Final Cup Final** Total Total Average **Average** Total Average **Tries** 246 6.0 12 3.0 1.3 4 145 3.5 16 4.0 10 3.3 Penalty goals



IMPACT OF THE PENALTY GOAL ON MATCH RESULTS

Previous paragraphs have shown that as a tournament progresses, penalty goals increase while tries decrease. Nevertheless, in general and despite this, it is tries that win matches. In RWC 2011, the winning team scored the most tries in just under 80% of matches. It has always been at around this percentage as seen in the attached table.

	%
RWC 2011	79%
RWC 2007	81%
RWC 2003	81%
RWC 1999	95%
RWC 1995	78%
RWC 1991	84%
RWC 1987	88%

In summary, of the 281 RWC matches played to date, 84% have been won by the team scoring the most tries and only 11 (or 4%) were won by the team that scored the fewest tries but kicked more penalties.

This paucity of tries is further reflected in the fact that of the teams competing in the Semi Finals and Final in RWC 2011, no team scored more than one try.

One final piece of data to emphasise the importance of kicks – Only 7 tries have been scored in total in the last 6 Rugby World Cup finals while 37 penalty goals have been kicked.

TRY SCORING

The total number of tries, penalty goals and drop goals scored by each country in RWC 2011 was as follows:

Scoring per team per Round (Total tries/penalty goals/drop goals)

			Pool		Qu	arter I	inal	Se	emi Fi	nal		Final	
_		Т	PG	DG	Т	PG	DG	Т	PG	DG	Т	PG	DG
NIV BALAND RUGBY UNION	NZL	36	3	1	2	7		1	4	1	1	1	
FFR	FRA	13	12	1	2	2	1		3		1		
3	AUS	25	4	0	1	2			1	1	2	2	1
WRU	WAL	23	9	0	3	1		1	1		2	2	1
	ENG	18	6	1	2								
UAR	ARG	10	8	0	1	1							
A REP	IRE	15	11	1	1	1							
SA RUGBY.	SA	21	7	0	0	2	1						
	ITA	13	5	0									
	SAM	10	8	1									
RUGBY	CAN	9	7	2									
	JAP	8	7	0									
Rugby Union of Russia	RUS	8	2	1									
	TON	7	11	0									
WILLIAM STATE OF THE STATE OF T	FJI	7	4	0									
	NAM	5	2	3									
SCOTTISH RUGSY UNION	sco	4	13	4									
USA K RUGBY	USA	4	4	0									
ROMANIA	ROM	3	9	0									
	GEO	3	9	0									

RATE OF TRY SCORING

The previous table shows the number of tries scored by each country. The table does not show however how effective each team was in scoring tries in relation to the possession that it obtained. A team may obtain little possession but still manage to score a significant number of tries. The following paragraphs consider this and



inal

20secs

59secs

23secs

12secs

attempt to show how successful each team was in converting possession into tries.

This was done by adding together the time each team was in possession of the ball in each of the matches played and then dividing it by the number of tries scored. The result then gave a <u>rate</u> of try scoring – or a measure of how effective each country was in converting possession into tries.

vertin	g posse	Bata aff			
		Pool Average	try scoring per Tear Quarter final	Semi final	F
NOW EALAND RUGBY UNION	NZL	1min 58secs	12 min 44 secs	18 min 30 secs	17 min
₹FR	FRA	5min 28secs	09 min 18 secs	0 in 14min 53secs	21min
(B)	AUS	2min 30secs	14min 03secs	0 in 19min 33secs	14min
WRU	WAL	3min 40secs	6min 31 secs	25 min 36 secs	25 min
	SA	3min 43secs	0 in 25m38 s		•
	ENG	3min 52secs	10 min 05 secs		
* Pr	IRE	4min 49secs	22 min 23 secs		
UAR	ARG	7min 49secs	13 min 12 secs		
	ITA	4min 55secs		•	
RUBY	CAN	7min 04secs			
Bugby Union of Russia	RUS	7min 24secs			
	SAM	7min 59secs			
	JAP	8min 57secs			
	TON	9min 31secs			
A A A A A A A A A A A A A A A A A A A	FJI	10 min 03 secs			
	NAM	10 min 54 secs			
USA K RUGBY	USA	17min 36secs			
ROMANIA	ROM	17 min 55 secs			

The above figures show that at the knockout stage, **New Zealand** was the most effective team in turning possession into tries.

18min **40**secs

22min 38secs

SCO

GEO



RATE OF TRY CONCEDING

Following the above exercise, the converse was looked at ie. how effective was each team in restricting tries in relation to the possession that their opponents obtained. The following paragraph tries to measure this by illustrating how successful each team was in preventing their opposition from converting possession into tries. This was done by adding together the total time the team's opponents were in possession of the



Final

21min 59secs 17min 20secs

25min 12secs

14min 23secs

ball - and then dividing it by the number of tries conceded. The result then gave a rate of try scoring by the opposition.

Rate of try conceding per team per Round

		Rate of try	er Rouna		
		Pool Average	Quarter final	Semi final	
NEW ELALAND RUGBY UNION	NZL	10 min 41 secs	13 min 12 secs	0 in 19 min 33 s	
FFR	FRA	7min 56secs	10 min 05 secs	25 min 36 secs	
55°	AUS	16min 09secs	0 in 25 m 38secs	18 min 30 secs	
WRU	WAL	16min 57secs	22 min 23 secs	0 in 14 m 53 s	
	ENG	68min 04secs	09 min 18 secs		
SA RUGBY.	SA	40min 28secs	14 min 03 secs		
UAR	ARG	23min 03secs	12 min 44 secs		
* \$ *	IRE	17 min 46secs	6min 31secs		
SCOTTISH RUGGY UNION	sco	16min 03secs			
	SAM	13min 14secs			
	GEO	7min 23secs			
U	ITA	6min 25secs			
	TON	5min 16secs			
A RICER. LOCATION A RICER. ROMANIA ROMANIA AND A RICER. A RI	FJI	4min 02secs			
ROMANIA	ROM	3min 39secs			
RUGBY	CAN	3min 45secs			
USA: RUGBY	USA	3min 37secs			
Rugby Union of Russia	RUS	2min 36secs			
	JAP	2min 35secs			
	NAM	2min 06secs			

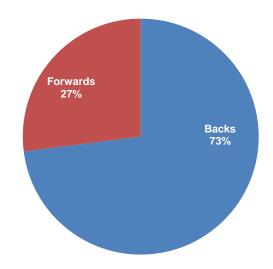
Again, the figures show that at the Pool stage, England was the most effective team in preventing their opponents from turning possession into tries.

PLAYERS AND TRIES

It has been noted above that there were **262** tries scored in the 48 matches:

190 tries were scored by Backs (73%) **72 tries** were scored by Forwards (27%)

The breakdown between the 20 competing teams is shown below:



Tries scored by Backs and Forward per Team

		Pool	Pool	Knockout	Knockout
		Tries by backs	Tries by forwards	Tries by backs	Tries by forwards
NW ZALINO RUGBY UNION	NZL	27	9	1	3
FFR	FRA	10	3	2	1
55	AUS	18	7	1	2
WRU	WAL	17	6	6	
	ENG	17	1	2	
UAR	ARG	6	4	1	
**************************************	IRE	11	4	1	
SA RUGBY.	SA	16	5	0	
Ų	ITA	7	6		
	SAM	6	4		
RUGRY	CAN	7	2		
	JAP	5	3		
Rugby Union of Russia	RUS	8	0		
FIRE CONTROL OF THE C	FJI	5	2		
	TON	4	3		
	NAM	3	2		
SCOTTISH RUGBY UNION	sco	4	0		
USA K RUGBY	USA	3	1		
	GEO	1	2		
ROMANIA	ROM	1	2		



SOURCE OF TRIES

There were **262** tries scored in RWC 2011.

The teams scoring the tries obtained possession of the ball prior to the scoring of the try from a variety of sources. Analyses of matches played at international level over several years, have shown that the most fruitful source of

Tries

Lineout – Own
Scrum –Own
Turnover/Handling Error
Opponents Kick
Penalty/Free Kick
Restart – Opp
Lineout – Opp
Restart – Own
Scrum – Opp

RWC	RWC
2011	2007
29%	32%
18%	18%
17%	17%
12%	15%
7%	9%
7%	4%
7%	3%
1%	1%
2%	1%

possession has consistently and clearly been the lineout – and this was maintained in RWC 2011. This is shown in the attached tables:

Pan/

Source of Tries scored per Team

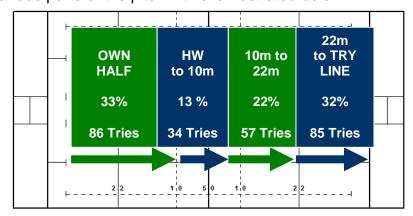
		Scored	Lineout	Scrum	Pen/ Fk	Kick	Turnover	Restart
RUGBY UNION	NZL	40	15	10	2	3	6	4
	WAL	29	8	6	2	6	5	2
55	AUS	28	10	5	2	3	3	5
SA RUGBY.	SA	21	9	1	3	1	5	2
	ENG	20	11	2	3	1	2	1
FFR	FRA	16	5	3	1	2	4	1
s de la companya de l	IRE	16	6	2	2	3	1	2
	ARG	11	4	3	1		1	2
Ų	ITA	13	5	5	1		2	
	SAM	10	2	3	1	2	2	
RUDBY	CAN	9	1	3		3	2	
	JAP	8	3	2	1		2	
ATTILL AT	RUS	8	3	1		1	3	
PLANTS OF THE STATE OF THE STAT	FJI	7	4				2	1
	TON	7	2	2		2	1	
	NAM	5	2			1	2	
SCOTTISH RUGBY UNION	SCO	4		1		1	1	1
USA K RUGBY	USA	4	2	1			1	
	GEO	3	1	1				1
ROMANIA	ROM	3	1	1		1		

The next table shows the source from which their opponents tries came:

	Source of Tries conceded per Team										
		Tries conceded	Lineout	Scrum	Pen/ Fk	Kick	Turnover	Restart			
RUGBY UNION	NZL	8		3	1	1	3				
RUGET L'NON	FRA	13	6		2	4		1			
5	AUS	7	2	1		1	3				
SA RIGHT.	WAL	7	3	1	1	1	1				
	ENG	3	2	1							
SA RUGBY.	SA	3	1	1			1				
UAR	ARG	5	3			1		1			
	IRE	6	2	2			2				
SCOTTISH RIGGY INNON	sco	4	2	1				1			
	SAM	5	3			1	1				
	GEO	9	5	3			1				
U	ITA	11	6	1		1	1	2			
	TON	13	3	6		1	3				
USA A RUGBY	USA	18	6	5	2	1	2	2			
FILTER OF THE PROPERTY OF THE	FJI	19	7	3		4	4	1			
RUGBY	CAN	20	8	5	1	2	3	1			
ROMANIA	ROM	21	9	2	3	1	3	3			
	JAP	25	5	7	1	3	6	3			
Rugby Union of Russia	RUS	29	11	5	3	4	3	3			
	NAM	36	10	5	5	4	8	4			

ORIGIN OF TRIES

Tries originate from various parts of the pitch – this is illustrated below:



In RWC 2011, 1 in 3 tries started from possession gained inside the scoring teams own half. It was the same ratio in RWC 2007. In RWC 2007, there was a clear distinction between northern and southern hemisphere tier 1 teams however. While Southern hemisphere teams scored 1 in 3 tries from inside their own half, in the case of the northern hemisphere teams, this declined to 1 in 5. This difference did not appear in RWC 2011. Northern hemisphere and Southern hemisphere teams has similar proportions – 1 in 3.



		Origin of Tries scored per team								
		Tries Scored	Own Half	Halfway to 10m	10m to 22m	22m to Tryline				
NOW ZEMAND RUGBY UNION	NZL	40	18	4	8	10				
FFR	FRA	16	5	3	2	6				
5	AUS	28	10	2	8	8				
FFR WILLIAM STATE OF THE STATE	WAL	29	14	3	6	6				
	SA	21	5	6	4	6				
	ENG	20	9	2	2	7				
	IRE	16	5	1	5	5				
UAR	ARG	11	4	2	4	1				
	ITA	13		2	4	7				
entra de la constanta de la co	SAM	10	2		4	4				
RUGRY	CAN	9	2	2	1	4				
	JAP	8	1	2	1	4				
Rugby Union of Russia	RUS	8		2	3	3				
	TON	7	1	1	2	3				
NEW TOWN	FJI	7	1		2	4				
	NAM	5	3			2				
SCOTTISH RUGBY UNION	sco	4	3			1				
USA.K RUGBY	USA	4	1	1	1	1				
&	GEO	3	2			1				
ROMANIA	ROM	3		1		2				

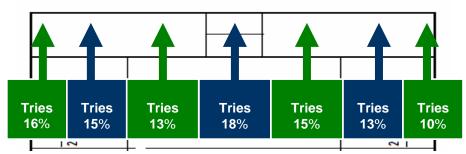
The following table provides the converse to the above ie. It shows – for each team – the origin of all tries conceded.

		Origin of Tries conceded per team					
		Tries	Opp Half	Halfway to	10m to	22m to	
		Conceded		10m	22m	Tryline	
RUGBY UNION	NZL	8	2	3		3	
FFR	FRA	13	2	3	5	3	
(F)	AUS	7	2	2	1	2	
WRU	WAL	7	1		2	4	
WILL WILL WILL WILL WILL WILL WILL WILL	ENG	3			1	2	
	SA	3				3	
	ARG	5	2	1	1	1	
· De	IRE	6	2	1	3		
SCOTTISH	sco	4			1	3	
	SAM	5	2	1	1	1	
	GEO	9	4	1	1	3	
Ų	ITA	11	3	1	5	2	
	TON	13	6	2	1	4	
USA K RUGBY	USA	18	4	1	7	6	
FLITRUGBY	FJI	19	7	3	4	5	
PLINGEY PLANTIA ROMANIA ROMANI	CAN	20	7	2	3	8	
ROMANIA	ROM	21	12	2	3	4	
	JAP	25	10	3	4	8	
Russia	RUS	29	9	3	6	11	
	NAM	36	11	5	8	12	

TRY LOCATIONS

The chart below indicates where across the goal-line tries were scored. It shows that:

18% were scored under the posts; **44%** the left side of the posts; **38%** on the right side of the posts.



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BUILD-UP TO TRIES

Possession of the ball that leads to tries is obtained from a number of sources – and they are listed above. More often than not, other actions – second phase, kicks and passes – then take place before the try is scored.

The first table below shows the number of rucks and mauls (2nd phase) that preceded each of the 262 tries scored in RWC 2011:

Build Up to Tries - Ruck/Mauls

	Number	%	Cumulative %
0 R/Ms	72	27%	27%
1 R/Ms	51	20%	47%
2 R/Ms	40	16%	63%
3 R/Ms	30	12 %	75%
4 R/Ms	21	8%	83%
5 R/Ms	24	9%	92%
6 R/Ms	3	1%	93%
7 R/Ms	6	2%	95%
8 R/Ms	6	2%	97%
9 R/Ms	3	1%	98%
10+ R/Ms	6	2%	100%
Total	262		

The table shows that 75% of tries were preceded by 3 or fewer second phases (RWC 2007 – 83%)

The next table below shows the number of passes that preceded each of the 296 tries scored in RWC 2011:

Build Up to Tries - Passes

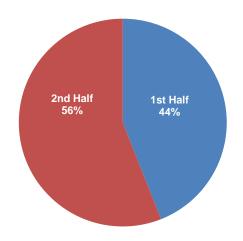
	Number	%	Cumulative %
0 pass	27	10%	10%
1 pass	20	8%	18%
2 passes	35	13%	31%
3 passes	35	13%	44%
4 passes	20	8%	52%
5 passes	16	6%	58%
6 passes	18	7 %	65%
7 passes	21	8%	73%
8 passes	12	5%	78 %
9 passes	17	6%	84%
10 passes	5	2%	86%
11+ passes	36	14%	100%
Total	262	100%	

The table shows that 44% of tries were preceded by 3 or fewer passes. (RWC 2007 – 54%). This was not a figure that was seen consistently throughout all teams. In **Romania's** case, for example, 2 of their 3 tries did not contain a single pass. By contrast, all of **Scotland's** 4 tries contains 4 or more passes.

TIMING OF SCORES - TRIES

146 or 56% of tries were scored in the second half – 116 or 44% in the first half.

The following table breaks down these figures further and shows the halves in which teams scored tries and the halves which they conceded tries.



Timing of Tries Scored and Conceded per Team

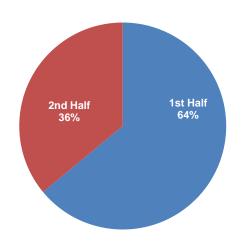
		Tries scored	Tries scored	Tries conceded	Tries conceded 2 nd half
		1st half	2 nd half	1st half	2 nd half
RUGBY UNION	NZL	21	19	2	6
FFR	FRA	6	10	7	6
55	AUS	13	15	3	4
	WAL	8	21	3	4
SA RUGBY.	RSA	8	13	1	2
	ENG	7	13	3	0
	IRE	6	10	1	5
UAR	ARG	6	5	6	5
LICENSIA CONTROL OF THE PRINCIPAL OF THE	FJI	4	3	6	13
	TON	4	3	7	6
U	ITA	9	4	2	9
	SAM	4	6	1	4
SCOTTISH	sco	2	2	1	3
	JAP	5	3	12	13
USA X RUGBY	USA	3	1	8	10
RUGBY	CAN	4	5	10	10
	GEO	2	1	3	6
Rugby Union of Russia	RUS	2	6	19	10
ROMANIA	ROM	2	1	11	10
	NAM	0	5	14	22

TIMING OF SCORES - PENALTY GOALS

There is a noticeable difference between the time when tries are scored and the time when penalties are kicked.

In RWC 2011, 116 tries (or 44%) were scored in the first half – 146 in the second. Penalty goals however showed a different profile - 109 penalties or 64% were kicked in the first half - 62 or 36% in the second.

The following chart shows the number of penalties kicked by each team:



Penalty Goals kicked per Team per Round

		Total kicked	Pool matches	Pool match average	Quarter final	Semi final	Final
RUGBY UNION	NZL	15	4	0.8	7	4	1
FFR	FRA	17	4	3.0	2	3	
(F)	AUS	9	4	1.0	2	1	2
WRU	WAL	13	4	2.3	1	1	2
	ENG	6	4	1.5	0		
UAR	ARG	9	4	2.0	1		
₽ Pr	IRE	12	4	2.8	1		
SA RUGBY.	SA	9	4	1.8	2		
SCOTTISH	sco	13	4	3.3			
	TON	11	4	2.8			
	GEO	9	4	2.3			
ROMANIA	ROM	9	4	2.3			
	SAM	8	4	2.0			
	JAP	7	4	1.8			
RUGBY	CAN	7	4	1.8			
Ų	ITA	5	4	1.3			
USA K RUGBY	USA	4	4	1.0			
RUSH CANALAN AND AND AND AND AND AND AND AND AND A	FJI	4	4	1.0			
	RUS	2	4	0.5			
	NAM	2	4	0.5			

KICKS AT GOAL

It has been noted many times in earlier reports that the success rates of kicks at goal have improved noticeably since the game went professional.

Conversions Penalty goals Drop goals

RWC	RWC
2011	2007
69%	71%
59%	72%
36%	17%

In the 5 decades since 1946, conversion rates were 50%, 61%, 55%, 54% and 47% which reflected a running average of 52/53%. These figures are now exceeded comfortably in all major rugby competitions with RWC2011 showing a conversion success rate of almost 69%. In RWC 2007, the conversion rate was 71%.

The kicking success for <u>penalty goals</u>, <u>conversions and drop kicks</u> – of each of the participating countries was as follows:

		Conversion success %	Penalty success %	Overall success %
RUGBY UNION	NZL	63%	68%	65%
FFR	FRA	69%	77%	74%
55	AUS	68%	64%	67%
	WAL	76%	57%	67%
SA RUGBY.	SA	95%	56%	78%
a De	IRE	81%	60%	69%
	ENG	70%	40%	57%
UAR	ARG	82%	36%	50%
FLURUGBY	FJI	86%	67%	77%
	JAP	50%	88%	69%
	TON	86%	61%	68%
	SAM	70%	67%	68%
SCOTTISH RUGGY UNION	sco	25%	72%	64%
RUGBY	CAN	56%	64%	60%
	GEO	100%	53%	60%
USA A RUGBY	USA	75%	50%	58%
U	ITA	46%	63%	52%
ROMANIA	ROM	33%	50%	48%
Rugby Union of Russia	RUS	50%	40%	46%
	NAM	40%	40%	40%

Drop goal success 2 of 3 2 of 7 2 of 2 0 of 6 1 of 5 1 of 2 1 of 4 0 of 4 0 of 0 0 of 1 1 of 2 4 of 7 2 of 3 0 of 3 0 of 1 0 of 0 0 of 1 1 of 0 2 of 3		
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1 of 2 4 of 7 2 of 3 0 of 3 0 of 1 0 of 0 0 of 1 1 of 1	0 0	f 1
4 of 7 2 of 3 0 of 3 0 of 1 0 of 0 0 of 1 1 of 1	0 o	f 1
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0 of 3 0 of 1 0 of 0 0 of 1 1 of 1	4 o	f 7
0 of 1 0 of 0 0 of 1 1 of 1	2 o	f 3
0 of 0 0 of 1 1 of 1	0 o	f 3
0 of 1 1 of 1	0 o	f 1
1 of 1	0 o	f 0
	0 o	f 1
3 of 3	1 o	f 1
	3 o	f 3

Drop goals caused less of a problem in RWC 2011 than in RWC 2007. At the knockout stage of the 2007 competition, for example, there were 29 attempted drop goals — only 2 of which succeeded. RWC 2011 saw an improvement - 15 out of 40 attempts succeeded.. Overall, drop goal success was I in 3.



BALL IN PLAY

In percentage terms, RWC 2011 matches produced an average ball in play time of **44% or 35 mins 25 secs**

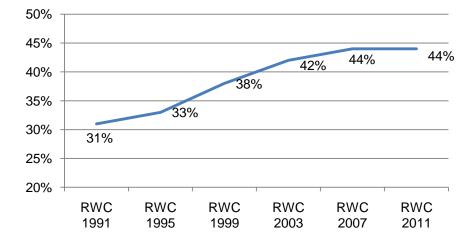
The highest Ball in play figure was 54% or 43 mins 54 secs (South Africa v Fiji)

The lowest Ball in play figure was 37% or 29 mins 34 secs (Australia v Ireland)

Ball in play shows little increase since 2003 but shows a noticeable increases since RWC 1991 as reflected in the table. It shows that in the 20 years since RWC 1991, Ball in Play has increased by 42%.

RWC 201 ²	1
RWC 2007	7
RWC 2003	3
RWC 1999	9
RWC 199	5
RWC 199	1

Ball in Play Time (% or average)					
44% or 35mins 25secs					
44% or 35mins 12secs					
42% or 33mins 35secs					
38% or 30mins 43secs					
33% or 26mins 43secs					
31% or 24mins 48secs					



The following table shows the average possession time obtained by all teams in the pool stage, and the actual possession in each of the knockout games.

Possession Time per Team per Round

		Pool Average	Quarter final	Semi final	Final
NOW ELAND RUGBY UNION	NZL	17min 41secs	25 min 29 secs	18 min 30 secs	17min 20secs
FFR	FRA	17min 47secs	18 min 37 secs	14min 53secs	21min 59secs
(F)	AUS	15 min 35 secs	14 min 03 secs	19 min 33 secs	14min 23secs
WRU	WAL	21 min 06 secs	19 min 34 secs	25 min 36 secs	25 min 12 secs
UAR	ARG	19 min 33 secs	13min 12secs		
SA RUGBY.	SA	19 min 32 secs	25 min 38 secs		
₽ Pr	IRE	18 min 05 secs	22 min 23 secs		
	ENG	17min 25secs	20min 10secs		
	SAM	19min 52 secs			
SCOTTISH	sco	18 min 40 secs			
HIGH UND	JAP	17min 53secs			
USA. RUGBY	USA	17min 36secs			
SALEST STATES OF THE SALEST ST	FJI	17min 36secs			
	GEO	16min 58secs			
	TON	16min 39secs			
Ų	ITA	15 min 59 secs			
RUOBY	CAN	15 min 53 secs			
Rugby Union of Russia	RUS	14 min 48 secs			
ROMANIA	ROM	13min 28secs			
	NAM	13 min 37 secs			



The following table shows the ball in play times for each match and how much possession was obtained by each team in the 40 Pool matches. The team with most possession and wins has been highlighted in orange.

Match	Ball in play %	Team Possession	Team Possession
NZ v Tonga	42%	New Zealand 16m57s (51%)	Tonga 16m 34s (49%)
Scotland v Romania	38%	Scotland 17m07s (56%)	Romania 13m 38s (44%)
Fiji v Namibia	40%	Fiji 15m04s (47%)	Namibia 16m 46s (53%)
France v Japan	44%	France 16m46s (48%)	Japan 18m 25s (52%)
Argentina v England	45%	Argentina 19m02s (52%)	England 17m 16s (48%)
Australia v Italy	44%	Australia 19m 13s (55%)	Italy 16m00s (45%)
Ireland v USA	41%	Ireland 19m48s (60%)	USA 13m 10s (40%)
SA v Wales	52 %	South Africa 17m52s (43%)	Wales 23m 46s (57%)
Samoa v Namibia	39%	Samoa 17m16s (55%)	Namibia 13m 58s (45%)
Tonga v Canada	41%	Tonga 18m29s (57%)	Canada 13m 59s (43%)
Scotland v Georgia	41%	Scotland 18m32s (57%)	Georgia 14m 16s (43%)
Russia v USA	45%	Russia 14m35s (40%)	USA 21m40s (60%)
NZ v Japan	40%	New Zealand 16m15s (51%)	Japan 15m35s (49%)
Argentina v Romania	44%	Argentina 23m29s (66%)	Romania 11m54s (34%)
SA v Fiji	54%	South Africa 24m37s (55%)	Fiji 19m17s <mark>(45%)</mark>
Australia v Ireland	37%	Australia 14m26s (49%)	Ireland 15m08s (51%)
Wales v Samoa	49%	Wales 17m18s (44%)	Samoa 22m03s (56%)
England v Georgia	45%	England 17m54s (50%)	Georgia 18m09s (50%)
France v Canada	44%	France 20m05s (56%)	Canada 15m36s (44%)
Italy v Russia	43%	Italy 17m39s (52%)	Russia 16m35s (48%)
Tonga v Japan	41%	Tonga 11m41s (36%)	Japan 21m05s (64%)
SA v Namibia	42 %	South Africa 19m19s (58%)	Namibia 14m11s (42%)
Australia v USA	39 %	Australia 14m42s (47%)	USA 16m47s (53%)
England v Romania	40%	England 17m30s (54%)	Romania 14m50s (46%)
NZ v France	44%	New Zealand 17m30s (49%)	France 17m56s (51%)
Samoa v Fiji	43%	Samoa 16m27s (48%)	Fiji 17m45s <mark>(52%)</mark>
Ireland v Russia	40%	Ireland 21m24s (65%)	Russia 11m21s (35%)
Argentina v Scotland	53 %	Argentina 19m16s (46%)	Scotland 22m59s (54%)
Wales v Namibia	42 %	Wales 23m45s (71%)	Namibia 9m34s (39%)
Canada v Japan	45%	Canada 19m53s (55%)	Japan 16m30s (45%)
Italy v USA	43%	ltaly v 15m58s <mark>(46%)</mark>	USA 18m49s (54%)
Georgia v Romania	40%	Georgia 18m29s (58%)	Romania 13m31s (42%)
SA v Samoa	51%	South Africa 17m10s (42%)	Samoa 23m42s (58%)
Australia v Russia	38%	Australia 13m59s (46%)	Russia 16m41s (54%)
France v Tonga	45%	France 16m23s (45%)	Tonga 19m55s (55%)
England v Scotland	41%	England 17m01s (51%)	Scotland 16m03s (49%)
Argentina v Georgia	42 %	Argentina 16m27s (49%)	Georgia 17m00s (51%)
NZ v Canada	43%	New Zealand 20m02s (59%)	Canada 14m04s (41%)
Wales v Fiji	47%	Wales 19m38s (52%)	Fiji 18m20s <mark>(48%)</mark>
Ireland v Italy	38%	Ireland 16m02s (53%)	Italy 14m22s (47%)

As a formula for winning, having the most possession is no guarantee of success. While the team with most possession won on 59% of occasions at the pool stage, possession became less significant at the knock out stage. The following table shows that in the quarter finals, semi finals, 3rd /4th playoff and final, the winning team had most possession on only one occasion.

Match	Ball in play %	Team Possession	Team Possession
Wales v Ireland	52 %	Wales 19m34s (47%)	Ireland 22m23s (53%)
England v France	48%	England 20m10s (52%)	France 18m37s (48%)
Australia v South Africa	50%	Australia 14m03s (35%)	South Africa 25m38s (65%)
New Zealand v Argentina	48%	New Zealand 25m29s (66%)	Argentina 13m12s (34%)
Wales v France	51%	Wales 25m36s (63%)	France 14m53s (37%)
New Zealand v Australia	48%	New Zealand 18m30s (48%)	Australia 19m33s (52%)
Australia v Wales	49%	Australia 14m23s (36%)	Wales 25m12s (64%)
New Zealand v France	49%	New Zealand 17m20s (44%)	France 21m59s (56%)

The more possession a team obtains, the more likely it is to pass, ruck and kick the ball – and so it was in the Pool stage.

The winning team had the most possession on 59% of occasions, it passed the most on 69% of occasions, and it kicked the most on 58% of occasions. The winning team rucked less however – on only 46% of matches did the winning team ruck the most.



This changed however at the knockout stage.

In the quarterfinals, semi-finals, and final, despite having less possession – frequently by a significant amount - the winning team kicked the most in all 7 matches.

ACTIVITY CYCLES

Activity cycles comprise - ruck/mauls, passes, and kicks.

The following paragraphs show the number of rucks/mauls, passes and kicks made in RWC 2011

Rucks/Mauls Passes Kicks

RWC	RWC	
2011	2007	
162	144	
263	224	
41	56	

PASSING

Games, on average, contained 263 passes (RWC 2007 - 224).

The most in any game was **394** (South Africa v Fiji) – the fewest was **182** (Australia v Ireland). The most by any team in a game was **237** – the fewest, **49**.

The following table shows the average passes per team per game in the pool stage and the actual passes made in the knockout stage.

			_		
		Pool Average	Quarter final	Semi final	Final
RUGBY UNION	NZL	169	212	121	97
FFR	FRA	136	113	59	158
55°	AUS	137	83	133	125
WRU	WAL	178	116	158	189
FFR SS NATION.	RSA	159	225		
	IRE	145	183		
	ENG	139	186		
	ARG	118	49		
	SAM	166			
	JAP	149			
UAR UAR UAR UAR UAR UAR UAR UAR UAR UAR	sco	147			
FLITRUGBY	FJI	145			
USA K RUGBY	USA	130			
RUGBY CANTAL CANTAL CANTAL CANTAL CANTAL CANTAL RIVERSIA	CAN	110			
	GEO	107			
	TON	101			
<u>U</u>	ITA	101			
	NAM	99			
Russia	RUS	92			
ROMANIA	ROM	75			

Again, there were noticeable differences between the 20 teams. with the leading passing team - Wales- averaging almost 100 more per game than Romania. This can frequently be explained simply by a team having significantly more possession. When an adjustment is made to take account of possession obtained, by each team, therefore, then the table changes. This time it shows the average number of passes per minute's possession it measures one country's rate of passing against the other team. In the Wales and Romania example, while Wales made almost 100% more passes, their rate of passing was only 50% more.:



Rate of Passing per Team per Round

		Pool Average	Quarter final	Semi final	Final
RUGBY UNION	NZL	9.6	8.3	6.5	5.6
FER	FRA	7.6	6.1	4.0	7.2
5	AUS	8.8	5.9	6.8	8.7
WRU	WAL	8.4	5.9	6.2	7.5
	RSA	8.1	8.8		
SA RUGY.	ENG	8.0	9.2		
FIR SANCEY.	IRE	8.0	8.2		
	ARG	6.0	3.7		
	SAM	8.3		•	
	JAP	8.3			
	FJI	8.2			
SCOTTISH	SCO	7.9			
USA K	USA	7.4			
	NAM	7.3			
RUDRY	CAN	6.9			
&	GEO	6.3			
	ITA	6.3			
Russia	RUS	6.2			
	TON	6.0			
ROMANIA	ROM	5.5			

PASSING MOVEMENTS

Passes are grouped into passing movements - i.e. one pass movement, two pass movements and so on. The data shows that some 82% of all passing movements contained two passes or less. This now appears to be a constant and varies little from year to year.

When the 10,000+ passes made in RWC 2011 were allocated into the following 3 groups, the results were as follows:

Passing % by backs
Passing % by scrum half
Passing % by forwards

RWC	RWC	
2011	2007	
36%	37%	
47%	44%	
17%	19%	

The percentages for each country in each of the categories are shown below

		% by Forwards	% by Scrum half	% by Backs
RUGBY UNION	NZL	18%	40%	42%
FFR	FRA	18%	44%	38%
(F)	AUS	14%	47%	39%
WRU	WAL	16%	50%	34%
	ENG	14%	44%	42%
UAR	ARG	21%	47%	32%
	IRE	15%	47%	38%
SA RUGBY.	SA	23%	47%	30%
FLIERUGBY	FJI	18%	45%	37%
	TON	20%	52%	28%
Ų	ITA	25%	43%	32%
	SAM	18%	65 %	37 %
SCOTTISH RUGGY UNION	sco	13%	46%	40%
	JAP	15%	51%	34%
USA A RUGBY	USA	12%	45%	43%
RUBY	CAN	21%	42%	37 %
	GEO	16%	60%	24%
Rugby Union of Russia	RUS	13%	57%	30%
ROMANIA	ROM	28%	46%	26%
	NAM	10%	46%	44%

Not all countries had a similar profile. The percentage of passes made by forwards varied between 10% and 25%. The previous table shows that there are distinctly different strategic approaches when it comes to passing. Where certain teams use forwards more as suppliers of the ball for onward transmission by the backs, other teams involve the forwards themselves in the distribution process. **South Africa** and **Argentina** were the most noticeable proponents of the latter process with **Ireland** and **England** favouring the former.

The following tables show what each rank of forwards of each team did with the ball when they were in possession of it. The first table shows the number of times each countries' forwards had the ball in their hands and then notes the number of times they passed it. This is then expressed as a ratio so that if a team's forwards passed, the ball 20 times having received it 100 times, the ratio would be expressed as 1 to 5 – ie 1 pass for every 5 possessions. Again, the table shows major differences between the countries.

Ratio of Passes to Possession - by Forwards per Team per Round

		Pool Average	Quarter final	Semi final	Final
NOV ZEALAND RUGBY UNION	NZL	1 in 2.9	1 in 2.6	1 in 2.8	1 in 4.4
FFR	FRA	1 in 2.9	1 in 4.2	1 in 4.3	1 in 3.0
55	AUS	1 in 3.5	1 in 2.5	1 in 3.6	1 in 5.2
WRU	WAL	1 in 3.1	1 in 6.1	1 in 6.5	1 in 3.0
	ENG	1 in 3.2	1 in 2.6		
UAR	ARG	1 in 3.4	1 in 3.4		
* De	IRE	1 in 3.5	1 in 4.0		
SA RUGBY.	SA	1 in 2.4	1 in 2.5		
Ų	ITA	1 in 2.6			
RUÖSY	CAN	1 in 3.0			
ROMANIA	ROM	1 in 3.1			
	SAM	1 in 3.1			
ELECTRONICAL SECTION OF THE PROPERTY OF THE PR	FJI	1 in 3.2			
	JAP	1 in 3.4			
SCOTTISH	sco	1 in 3.7			
THE REST CHEEK	TON	1 in 4.1			
USA A RUGBY	USA	1 in 4.4			
	GEO	1 in 4.5			
	NAM	1 in 4.8			
Rugby Union of Russia	RUS	1 in 5.2			

This difference between the forwards of each country is even more graphically illustrated when the forwards are broken down into the 3 groups of (a) front row, (b) second row and (c) back row. This time the relationship between passes and possession is expressed in percentage terms, so that if a group of forwards received the ball 20 times and passed it 6 times, it means they passed it on 30% of occasions.

Again, there are major contrasts. In the pool stage for example, while **Georgia's** front row passed the ball on only 8% of occasions – **South Africa's** passed it on 32% of occasions

Passing % by Front Row players per Team per Round

		Pool Average	Quarter final	Semi final	Final
RUGBY UNION	NZL	42%	37%	43%	26%
FFR	FRA	33%	25%	20%	42%
55	AUS	23%	50 %	33%	33%
WRU	WAL	30 %	35%	17 %	32 %
SA RUGBY.	SA	35%	24%		
	ENG	33%	29%		
₽ Pr	IRE	26%	15%		
UAR	ARG	21%	14%		
	SAM	31%			
	JAP	29%			
Ų	ITA	28%			
TO THE WORLD THE	FJI	28%			
ROMANIA	ROM	27 %			
RUDBY	CAN	27%			
	TON	20%			
USA K RUGBY	USA	19%			
Rugby Union of Russia	RUS	18%			
SCOTTISH RUGBY UNION	sco	15%			
	NAM	13%			
	GEO	8%			

It was not the same as far as the second rows were concerned. There were still however substantial differences between the teams – with **Russia's** 11% rate contrasting with **Italy's** 52%.



Passing % by Second Row players per Team per Round

		Pool Average	Quarter final	Semi final	Final
RUGBY UNION	NZL	23%	29%	31%	8%
FFR	FRA	31%	13%	20%	30%
(B)	AUS	20%	29%	18%	0%
WRU	WAL	24%	5 %	13%	23%
	ENG	28%	36%		
Q A RUGAY	SA	28%	42%		
A CONTRACTOR	IRE	28%	14%		
UAR	ARG	26%	17%		
Ų	ITA	52%			
	JAP	40%			
	SAM	30%			
SALEN	FJI	30%			
SCOTTISH	sco	30%			
	GEO	30%			
	TON	29%			
RUGBY	CAN	23%			
USA K RUGBY	USA	21%			
ROMANIA	RO	21%			
	NA	17%			
Bugby Union of Russia	RUS	11%			

The final category is the back row where **South Africa** was the highest passing team with **Ireland** of the tier 1 countries, being the least likely to pass.



Passing % by Back Row players per Team per Round

		Pool Average	Quarter final	Semi final	Final
NOW ZEALAND RUGBY UNION	NZL	33%	41%	33%	28%
FFR	FRA	37%	25%	27%	29%
3	AUS	39%	39%	30%	22%
ELGIT CHANGE	WAL	37%	14%	16%	46%
	SA	50%	46%		
UAR	ARG	36%	43%		
	ENG	31%	44%		
**************************************	IRE	30%	27%		
RUGBY	CAN	41%		'	
ROMANIA	ROM	41%			
Ų	ITA	40%]		
	SAM	35%			
	FJI	34%			
SCOTTISH	sco	32%]		
RUGBY UNION	GEO	28%]		
	JAP	27%]		
USA K RUGBY	USA	27%			
	NAM	27%]		
	TON	26%			
Russia	RUS	22%			

RUCKS/MAULS (2ND PHASE)

The average number per game was **162**. (RWC 2007–144)

The most in any game was 225 (Ireland v Wales) – the fewest was almost 100 less at 130 (England v Scotland).

The most <u>by any team</u> in a game was **128** – the least, **34**

The average for all countries is shown below:



Ruck/Mauls per Team per Round

		Pool			
		Average	Quarter final	Semi final	Final
NIW ZALAND RUGBY UNION	NZL	79	119	89	77
FFR	FRA	78	90	55	97
15	AUS	70	45	88	59
FIFR STATE OF THE PARTY OF THE	WAL	101	97	121	128
	IRE	91	128		
UAR	ARG	87	46		
SA RUGBY.	SA	84	127		
	ENG	71	92		
	SAM	97			
SCOTTISH	sco	88			
USA K RUGBY	USA	88			
	JAP	87			
%	GEO	83			
	TON	82			
RICHTON AND THE RESTAURANT AND T	FJI	81			
RUGBY	CAN	73			
Rugby Union of Russia	RUS	69			
	ITA	64			
ROMANIA	ROM	58			
	NAM	56			

The previous table indicates the total number of rucks/mauls created by each team in the competition expressed as average per game. On a game by game basis therefore it shows that **Wales**, **Samoa** and **Ireland** rucked and mauled the most. This does not mean however that they were necessarily the top ruck/mauling teams. Another method of evaluation is to relate the number of ruck/mauls to the amount of possession the team obtained. As an illustration of this – if a team has 25% possession and creates 40 second phases, it has, nevertheless, rucked and mauled at a higher rate than its opponents who rucked and mauled 60 times with 75% of possession.

This is reflected in the following table which relates the number of rucks/mauls to the team's percentage of possession. The figures reflect the number of rucks/mauls per minute possession.

Rate of Rucks/Mauls per Team per Round

		Pool Average	Quarter final	Semi final	Final
RUGBY UNION	NZL	4.5	4.7	4.8	4.4
FFR	FRA	4.4	4.8	3.7	4.4
(F)	AUS	4.5	3.2	4.5	4.1
WRU	WAL	4.8	5.0	4.7	5.1
	IRE	5.0	5.7		
UAR	ARG	4.4	3.5		
SA RUGBY.	SA	4.3	5.0		
	ENG	4.1	4.6		
USA K RUGBY	USA	5.0			
	GEO	4.9			
	TON	4.9			
	SAM	4.9			
	JAP	4.8			
SCOTTISH RIGGY INION	sco	4.7			
Rugby Union of Russia	RUS	4.6			
WILL WILL WILL WILL WILL WILL WILL WILL	FJI	4.6			
RUGBY	CAN	4.6			
ROMANIA	ROM	4.3			
	NAM	4.1			
Ų	ITA	4.0			

BREAKDOWN RETENTION

At the breakdown the team taking in the ball retained possession by either winning the ball or being awarded a penalty on 94% of occasions.

The percentage success rate for each team was very similar and was as follows:

Ruck/Maul Retention % per Team per Round

		Pool Average	Quarter final	Semi final	Final
NOV ZZAJANO RUGBY UNION	NZL	94%	97%	94%	97%
FFR	FRA	95%	91%	93%	93%
55	AUS	96%	82%	91%	90%
WRU	WAL	93%	90%	98%	96%
	ENG	96%	93%		
	IRE	96%	93%		
UAR	ARG	95%	83%		
SA RUGBY.	SA	93%	87%		
RUGBY	CAN	95%			
ROMANIA	ROM	94%			
	TON	95%			
	GEO	95%			
	SAM	93%			
FFR WELL WARDEN WAR	FJI	94%			
Rugby Union of Russia	RUS	93%			
USA X RUGBY	USA	93%			
SECTION SECTIO	sco	93%			
	JAP	92%			
	ITA	91%			
	NAM	90%			

The table shows that the retention rate at the breakdown was high for all teams – the least successful team was **Namibia**, who had a retention rate of 90%. This was, however, only 6 percentage points less than the most successful teams.

KICKING

The average number of kicks per game was **41.** (RWC 2007– 56)

The most open play kicks in a game was 68 the fewest 24

The most by a team was 37 – the least 7

There were noticeable differences between the 20 participating teams as shown in the table below:



Final

25

22

26

30

Kicks per Team per Round

NZL 18 27	ni final 32
RUGBY UNION	32
∜ FRA 20 21	
FFR	37
6 AUS 17 36	27
WAL 22 29	31
SA 25 30	
ARG 24 15	
IRE 19 25	
Ref 19 12	
SCO 24	
FJI 20	
USA 21	
CAN 20	
© GEO 20	
NAM 20	
USA 21 CAN 20 GEO 20 NAM 20 SAM 19	
<u>↓</u> ITA 18	
RUS 18	
TON 17	
ROM 16	
JAP 13	

When an adjustment is made to take account of <u>possession</u> obtained, by each team, then the kicking table changes. This time it shows the average number of kicks per minute's possession:

Rate of Kicking

		Pool Average	Quarter final	Semi final	Final
RUGBY UNION	NZL	1.0	1.1	1.7	1.5
FFR	FRA	1.1	1.1	2.3	1.0
55	AUS	1.1	2.7	1.4	1.8
WRU	WAL	1.0	1.5	1.2	1.2
	ENG	1.1	0.6		
- \$	IRE	1.1	1.1		
UAR	ARG	1.2	1.1		
SA RUGBY.	SA	1.3	1.2		
FIRE STATE OF THE	FJI	1.1			
	TON	1.0			
Ų	ITA	1.1			
	SAM	0.9			
SCOTTISH SCOTTISH SIGNY IMMAN	sco	1.3			
	JAP	0.7			
USA K RUGBY	USA	1.2			
RUÓBY	CAN	1.3			
	GEO	1.2			
Rugby Union of Russia	RUS	1.2			
ROMANIA	ROM	1.2			
	NAM	1.5			

SUMMARY

The above paragraphs on ruck/mauls, passes and kicks reflect the tournament averages based on all 48 matches. A summary of previous tables is shown below – it shows the average number of rucks, passes, and kicks per game and the rate for each per minute possession.

Activity Cycle Summary

Average per game and Rate per minute possession

		Rucks/Mauls		Passes		Kicks	
		Average	Rate	Average	Rate	Average	Rate
RUGBY UNION	NZL	86	4.5	158	8.4	22	1.2
FFR	FRA	80	4.4	125	6.9	23	1.3
55	AUS	68	4.3	127	8.0	19	1.2
WRU	WAL	107	4.8	168	7.6	25	1.1
	ENG	75	4.2	149	8.3	17	1.0
UAR	ARG	79	4.3	104	5.7	22	1.2
	IRE	98	5.2	152	8.0	20	1.1
SA RUGBY.	RSA	93	4.5	172	8.3	26	1.2
FLICERY	FJI	81	4.6	145	8.2	20	1.1
	TON	82	4.9	101	6.0	17	1.0
Ų	ITA	64	4.0	101	6.3	18	1.1
	SAM	97	4.9	166	8.3	19	0.9
SCOTTISH BIGGY INNON	sco	88	4.7	147	7.9	24	1.3
	JAP	87	4.8	149	8.3	13	0.7
USA A RUGBY	USA	88	5.0	130	7.4	21	1.2
RUSY	CAN	73	4.6	110	6.9	20	1.3
	GEO	83	4.9	107	6.3	20	1.2
Rugby Union of Russia	RUS	69	4.6	93	6.2	18	1.2
ROMANIA	ROM	58	4.3	75	5.5	16	1.2
	NAM	56	4.1	99	7.3	20	1.5

RESTARTS

Of 50m restarts, 41% were kicked long – 59% were kicked short and were contestable.

When 50m restarts were kicked short, the kicking team regained possession on 1 in 5occasions.

Success rate and restart type varied between the 20 teams. The most effective teams in retaining short restarts are shown below.

The table shows the type of restart kicked by each team at 50m and retention rates of short restarts.

Restart Type & Success rate

		50m Restarts			of 50m starts	Retention rate
		long	short	long	short	Short – 50m & 22m
NIW ZIALIND RUGBY UNION	NZL	19	16	54%	46%	9 of 21
FFR	FRA	35	23	60%	40%	1 of 27
<u> </u>	AUS	30	14	68%	32%	2 of 20
WRU	WAL	22	8	73 %	27 %	4 of 12
	ENG	18	16	53%	47 %	4 of 28
UAR	ARG	24	12	67%	33%	2 of 12
***	IRE	16	12	57%	43%	4 of 16
SA RUGBY.	SA	14	9	61%	39%	5 of 13
FLURUGBY	FJI	19	15	56%	44%	5 of 15
	TON	11	12	48%	52 %	1 of 12
	ITA	10	12	45%	55%	2 of 13
	SAM	8	7	53 %	47 %	6 of 11
SCOTTISH	sco	8	10	44%	56%	8 of 14
	JAP	1	36	3%	97%	10 of 37
USA K RUGBY	USA	14	10	58%	42 %	0 of 12
RUGBY	CAN	8	23	26%	74%	8 of 23
	GEO	3	20	13%	87%	2 of 20
Rugby Union of Russia	RUS	25	9	74 %	26%	2 of 9
ROMANIA	ROM	8	29	22 %	78 %	2 of 29
	NAM	30	15	67%	33%	3 of 15

LINEOUTS

The most line outs in a game was 33 – the least 14.

Average no per game Percentage competed Possession retained Pens/f/k per game

RWC	RWC
2011	2007
24	31
57%	62%
82%	80%
0.5	1.0

Most teams had high success rates on their own throw. **Russia** and **Romania** were the least successful on 61% and 68% - and **New Zealand** were the most successful on 92%. **Wales** and **South Africa** were particularly successful at stealing opposition lineouts. The Lineout success on own throw and opposition throw are shown below:

Lineout Success

		Success %		Lineou	t Steals	Not straight / Pen/FK / Knock-on		
		Own Throw	Opposition Throw	Own Throw lost	Opposition Throw won	Own Throw	Opposition Throw	
RUGBY UNION	NZL	92%	18%	6	12	0	4	
FFR	FRA	90%	16%	7	12	2	1	
<u> </u>	AUS	78%	15%	12	10	7	3	
WRU	WAL	87%	18%	11	14	1	4	
a Br	IRE	91%	21%	4	9	2	5	
	ENG	86%	26%	6	11	3	2	
SA RUGBY.	SA	76%	23%	5	14	4	1	
UAR	ARG	75%	15%	9	6	5	2	
SCOTTISH BI EGGY I INACAN	SCO	88%	22%	6	9	0	2	
	JAP	85%	21%	6	9	1	0	
USA K RUGBY	USA	85%	23%	5	9	2	4	
SILEY COMMANIA CONTRIBUTION OF THE STREET OF	FJI	82 %	17%	5	5	4	1	
	ITA	81%	16%	9	7	2	0	
	SAM	79 %	25%	9	10	1	4	
RUGBY	CAN	78%	9%	7	1	1	3	
	GEO	77%	21%	8	5	3	6	
	TON	76 %	12%	6	5	3	0	
	NAM	71%	18%	13	5	2	4	
ROMANIA	ROM	68%	10%	10	4	3	1	
Rugsly Union of Russia	RUS	61%	15%	17	4	4	3	

SCRUMS

The most scrums in a game was 23 – the least 6

Average no per game Possession retained Pens/f/k per game

RWC	RWC
2011	2007
17	19
88%	89%
4.6	2.3

The Scrum success on own feed and opposition feed are shown below:

Scrum Success

		Scrum Success %					
		Own	Opposition				
		Feed	Feed				
RUGBY UNION	NZL	98%	20%				
FFR	FRA	95%	9%				
5	AUS	86%	3%				
WRU	WAL	87%	13%				
	ENG	81%	5%				
UAR	ARG	97%	15%				
	IRE	88%	23%				
SA RUGBY.	SA	100%	17%				
	SAM	97%	27 %				
ROMANIA	ROM	91%	13%				
	JAP	89%	4 %				
	GEO	89%	3 %				
	TON	88%	11%				
USA. Rugby	USA	88%	14%				
CANADA	CAN	84%	0%				
SCOTTISH RUGBY UNION	sco	84%	24%				
Russia	RUS	84%	16%				
Ā	ITA	83%	18%				
	NAM	76%	5%				
FILESPA	FJI	74%	2%				

Again, ball retention was relatively high for all teams, the lowest success rate being around 75% in the case of Namibia, and Fiji. There were 5 free kicks for crooked feed in RWC 2011.

PENALTIES/FREE KICKS

In RWC 2011, the average number of penalties and free kicks awarded in a game was **21**. This is 2 more than RWC 2007.

The most awarded in a single game was 29 - the least, 10

The following table comprises the total penalties awarded to and conceded by each team. However, because the number of penalties can vary from match to match, a better measure is the **proportion** of penalties conceded by a team in all their matches compared with their opponents. This shows that **Italy** was the least penalised team in relation to their opponents.



Average and proportion of Penalties For and Against per Team

		Total Matches	Pen/FK For	Pen/FK Against	% Pen/FK For	% Pen/FK Against
RUGBY UNION	NZL	7	67	60	53%	47%
FFR	FRA	7	66	70	49%	51%
55	AUS	7	55	70	44%	56%
WRU	WAL	7	69	71	49%	51%
UAR	ARG	5	64	51	56%	44%
	SA	5	49	38	56%	44%
SA RUGBY.	IRE	5	60	50	55%	45%
	ENG	5	62	60	51%	49%
	ITA	4	65	37	64%	36%
	SAM	4	51	44	54%	46%
	TON	4	50	44	53%	47%
SCOTTISH RUGBY LINION	sco	4	49	43	53%	47%
PRUSSIA CAMPAGA	FJI	4	39	37	51%	49%
	JAP	4	48	46	51%	49%
Rugby Union of Russia	RUS	4	39	42	48%	52%
RUGBY	CAN	4	34	42	45%	55%
%	GEO	4	42	51	45%	55%
ROMANIA	ROM	4	43	53	45%	55%
	NAM	4	34	51	40%	60%
USA K RUGBY	USA	4	32	58	36%	64%

CATEGORIES OF OFFENCES PENALISED

The following table groups the penalties awarded into 9 categories – these are as follows:

% of Offences Penalised

	%
Ruck/tackle on ground	48%
Offside	16%
Scrum	22 %
Lineout	2 %
Obstruction	4 %
Dangerous tackle	3 %
Other	3 %
Maul	2 %
Foul play	>1
	100%

The above figures are similar to those seen currently in matches at international level.

CARDS - RED & YELLOW

The following paragraphs examine the circumstances and effects of the issue of red and yellow cards during RWC 2011

RED CARDS

There were **2** red cards issued during RWC 2011 – one against **Samoa** for foul play and one against **Wales** for a dangerous tackle

	2011	
Foul Play	1	
Dangerous Tackle	1	

YELLOW CARDS

There were 18 yellow cards issued during RWC 2011 - half the **35** yellow cards that were issued during RWC 2007.

Of the 48 matches, there were 14 which contained at least one yellow card, meaning 34 (or 71%) of all matches did not contain a single yellow card. The most yellow cards in one match was 3 – (Japan v Tonga)

	RWC	RWC
	2011	2007
Dangerous Tackle	5	11
Offside	3	
Deliberate knock on	3	
Repeated infringement	2	
Ruck/Tackle	4	11
Collapsing scrum	1	
Foul play		9
Obstruction		2
Not 10m		1
Maul collapse		1

RWC

2007

The following table shows the breakdown of yellow and red cards per team:

		Pool		Quarter	Quarter final		Semi final		Final	
		Yellow	Red	Yellow	Red	Yellow	Red	Yellow	Red	
RUGBY UNION	NZL					1				
	FRA	1								
55	AUS									
WRU	WAL						1			
	ENG	2								
UAR	ARG			1						
	IRE									
SA RUGBY.	RSA	1								
	TON	3								
USA RUGBY	USA	2								
	NAM	2								
	SAM	1	1							
	JAP	1								
Ü	ITA	1								
Rugby Union of Russia	RUS	1								
ROMANIA	ROM	1								
RUGBY	CAN									
	GEO									
SINGLE STATE OF THE STATE OF TH	sco									
FLICE	FJI									

TELEVISION MATCH OFFICIAL (TMO)

In RWC 2011, there were 56 references to the TMO (2007 - 57).

As a result of the 56 references, 28 tries were awarded.



ARGENTINA



			MATCH R	ESULTS				
	Pool		RGENTIN			NGLAND	13	LOST
Pool			RGENTIN	A 43	R	OMANIA	A 8	WON
	Pool			A 13	SC	OTLAN	D 12	WON
	Pool	Α	RGENTIN	A 25	G	EORGI	4 7	WON
Qua	rter Final	Α	RGENTIN	A 10	NEW	/ ZEALA	ND 33	LOST
			TIME OF	ecopee				
			1 st Half			2 nd Half	f	Total
Trie	es scored		6			5		11
Tries	conceded		6			5		11
	versions							9
	alty Goals							9
	op Goals							0 of 4
	SSION SOUR	CE OF						SOURCE
	OWN TRIES					C	OF OPP T	RIES
	4			out			3	
	<u>3</u> 1		Penalty/	um Eroo kiek				
	2				(2	
	1		Kick receipt 2 Turnover					
	•		Turr	OVEI				
			ACTI'	VITY				
	AVERAGE	RWO	CAVERAG	GE				
Rucks	79		81					
Passes	104		132					
Kicks	22		21					
			PLAYER I	o v e e i Nic	:			
			%	ASSING		R\W(CRATE	
% of pass	es made by f	orwards	21				17%	
	es made by so		47				47%	
	ses made by		32				365	
			SCRI					
Own S		Success		' %				
Opp S	crums	Success	15	5%				
			LINEC	OUTS				
Own Li		%						
Opp Li		Success Success		5%				
5 P P = 11								
			PENAI	LTIES				
	Penalties	For				64		
	Penalties A					51	-	
	Total Cards A	warded				1		



AUSTRALIA



			MATCH R	FSULTS								
	Pool		AUSTRALI			ITALY 6		WON				
	AUSTRAL		IF	RELAND 15		LOST						
				A 67		USA 5		WON				
	Pool		AUSTRALI	_	-	RUSSIA 22		WON				
	rter final		AUSTRALI			JTH AFRICA	١9	WON				
	mi final		AUSTRAL			ZEALAND		LOST				
3	3 RD /4 TH		AUSTRALI			WALES 18		WON				
TIME OF SCORES												
						- nd						
			1 st Half	i		2 nd Half		Total				
	s scored		13			15		28				
	conceded		3			4		7				
	versions							68%				
	alty Goals							64%				
	p Goals	05.05				20050		2 of 2				
	SSION SOUR OWN TRIES	CE OF						SOURCE RIES				
	10		Line	eout		OI C	2	KILS				
	5			um			1					
	2				<u> </u>							
	8			Penalty/ Free kick Kick receipt 1			1					
	3						3					
			ACTI	VITY								
	AVERAGE	R	WC AVERA	GE								
Rucks	68		81									
Passes	127		131									
Kicks	19		20									
			PLAYER			DWO D	A T.E.					
0/ 6		, ,	%			RWC R						
	ses made by					17%						
	es made by					47%						
% or pas	sses made b	y backs	399	/o		36%)					
			SCRI	IMS								
Own Se	crums	Succes		5%								
Opp So		Succes		%								
	-	2 2 2 2 2 2										
			LINEC	DUTS								
Own Liı		3%										
Opp Lir	neouts	Succe	ss 15	%								
PENALTIES												
Penalties For 55												
	Penalties A Total Cards					70						
1 7			0									



CANADA



			CA	IGBY NADA				
			ATCH R	FSIIITS	:			
	Pool		ANADA			ONGA	10	WON
	Pool		CANADA 19		FRANCE 46		LOST	
	Pool		ANADA			JAPAN 2		DRAW
	Pool		ANADA			ZEALA		LOST
	P001	C	ANADA	13	INEV	ZEALA	IND 19	LUST
		TI	ME OF		3			
			1 st Half			2 nd Hal	f	Total
	es scored		4			5		9
	conceded		10			10		20
	versions							5
	alty Goals							7
Dro	op Goals							2 of 3
		RATE OF TI	RY SCO	RING/CO	NCEDI	NG		
Rate of tr		7min 04s			RATE		5min	43s
Rate of try		3min 45s			RATE		5min	
	SSION SOUR		000	I	IVATE	POSS		SOURCE
	OWN TRIES	5 L 5 .					OF OPP T	
	1		Line	out			8	
	3			um			5	
	-	F	Penalty/ Free kick			1		
	3		Kick receipt				3	
	2		Turnover				3	
	AVED 4.05	D14/0 A1/5	ACTI			- -	D1446	
	AVERAGE	RWC AVE	:RAGE -	POOL	RA	IE		RATE - OOL
Rucks	73		79		4.6 pe	r min		4.6
Passes	110		130		6.9 pe			7.5
Kicks	20		19		1.3 pe			1.1
THORE			10		110 pc			111
		PI	AYER F		3			
			%				OOL RAT	ΓΕ
	ses made by		21%				17%	
	es made by s		42%	· ·	46%			
% of pa	sses made by	y backs	37%	%			37%	
			SCRI	JMS				
Own S	crums	Success	84					
Opp S		Success		%				
Our I:	nooute	Success	LINEC					
Own Li Opp Li		Success		% %				
Орр сп	าเฮบนเอ	Jucce55	<u> </u>	/0				
			PENAL	TIES				
Penalties For 34								
	Penalties A	gainst				42		
Total Cards received						0		



ENGLAND



		М	ATCH RESULTS	S					
	Pool		NGLAND 13		RGENTINA 9	WON			
Pool			NGLAND 41		EORGIA 10	WON			
Pool E			NGLAND 67	F	ROMANIA 3	WON			
	Pool	EN	NGLAND 16	SC	COTLAND 12	WON			
Qua	arter final	EN	NGLAND 12	F	RANCE 19	LOST			
TIME OF SCORES									
		•	1 st Half		2 nd Half	Total			
Trie	s scored		7		13	20			
	conceded		3		0	3			
Con	versions					70%			
Pena	alty Goals					40%			
	p Goals					1 of 4			
	SSION SOUR	CE OF			POSSESSION				
(OWN TRIES		Lincout		OF OPP 1	RIES			
	11 2		Lineout Scrum		2				
	3		Penalty/ Free kic	.lr	1				
	2	F	Kick receipt	·N					
	2		Turnover						
			Turnover						
			ACTIVITY						
	AVERAGE	RWC	AVERAGE						
Rucks	75		81						
Passes	149		131						
Kicks	17		20						
		PI	_AYER PASSING	G					
			%		RWC RATE				
% of pass	ses made by f	orwards	14		17%				
% of pass	es made by s	crum half	44		47%				
% of pa	sses made by	/ backs	42		36%				
			SCRUMS						
Own S	crums	Success	81%						
Opp So	crums	Success	5%						
			LINEOUTS						
Own Li	neouts	Success	86%						
Opp Lineouts Succes			26%						
			PENALTIES						
Penalties For 62									
	Penalties Ag	gainst			60				
-	Total Cards A				2				
, , , , , , , , , , , , , , , , , , , ,									



FIJI



			म्प्रेन	RUGBY				
				ECIII TO				
	Pool	IVI	ATCH R FIJI 49			AMIBIA	25	WON
	Pool		FIJI 49					LOST
	Pool		FIJI 3 FIJI 7			TH AFR		LOST
	Pool					SAMOA		
	Pool		FIJI 0		\	WALES	66	LOST
		TI	ME OF		6			
			1 st Half	:		2 nd Hal	f	Total
Trie	es scored		4			3		7
Tries	conceded		6			13		19
Cor	nversions							6
Pen	alty Goals							4
Dro	op Goals							0 of 0
			av ecol		MOEDI	NC		
Rate of tr		RATE OF TE 10min 03s			POOL F		5m	in 43s
	conceding	4min 02s			POOL F			in 43s
	SSION SOUR							SOURCE
	OWN TRIES					(OF OPP T	RIES
	4		Line	out			7	
			Scr	rum 3				
		Р	enalty/	Free kic	k			
	1	Kick r	eceipt			5		
	2	Turn	over			4		
			AOTU	/IT\/				
	AVEDAGE	DIMO AVE	ACTIV		D.4	TE	DWG	DATE
	AVERAGE	RWC AVE	RAGE -					RATE - OOL
Rucks	81		79	4.6 r		4.6 per min		4.6
Passes	145		130				per min	
Kicks	20		19			r min		7.5 1.1
rtione	20		10		тт рс	7 11111		1.1
		PL	_AYER F	PASSING	3			
			%			RWC P	OOL RAT	ΓΕ
	ses made by		18%				17%	
	es made by s		45%	6			46%	
% of pa	sses made by	/ backs	37%	6			37%	
			SCRI	IMS				
Own S	crums	Success	74					
Opp S		Success	20					
3660	J. WIII 9			,				
Own Li	neoute	Success	LINEC 82					
Own Li		Success	17					
Орр сі	IICOULS	Juccess	17	/0				
			PENAL	TIES				
	Penalties	For				39)	
	Penalties Against					37	,	
	Total Cards re					0		



FRANCE



		N	MATCH R	ESULT <u>S</u>							
	Pool	F	RANCE	47		JAPAN 2	1	WON			
	Pool	F	FRANCE	46	C	ANADA	19	WON			
	Pool	F	FRANCE	17	NEW	ZEALAN	ND 37	LOST			
	Pool	F	FRANCE	14	-	ΓONGA 1	9	LOST			
Qua	arter final	F	FRANCE	19	El	NGLAND	WON				
Se	mi final		FRANCE	9		WALES 8	8	WON			
	Final		FRANCE	7	NEV	V ZEALA	ND 8	LOST			
		_									
		1	IME OF			ond 11 16		T			
			1 st Half			2 nd Half		Total			
	s scored		6			10		16			
	conceded	_	7			6		13			
	versions							69%			
	alty Goals							77%			
	op Goals	0F 0F				PO O O	FOOLON	2 of 7			
	SSION SOUR OWN TRIES	CE OF						SOURCE			
\			Line	out.		U	F OPP T 6	KIES			
	<u>5</u> 3		Scr				0				
	<u> </u>		اعد Penalty/ I		<u> </u>	2					
	3		Kick r		`		4				
	4		Turn				4				
	4		Tuiti	OVEI							
ACTIVITY											
	AVERAGE	RWC	AVERAG								
Rucks	80	11110	81								
Passes	125		131								
Kicks	23		20								
		P	LAYER F		i						
			%				RATE				
	ses made by		18%				7%				
	es made by s		44%				7%				
% of pa	sses made by	y backs	38%	6		3	6%				
			SCRL	IMS							
Own S	crums	Success	95								
Opp S		Success	99								
Орр О	o. aiiio	5400033	9,								
	LINEOUTS										
Own Li	neouts	Success	90								
Opp Lii		Success	16								
			<u> </u>								
			PENAL	TIES							
	Penalties	For		66							
	Penalties Against					70					
	Total Cards Awarded					1					



GEORGIA



		N	IATCH R	ESULTS	5				
	Pool		SEORGI			OTLAN	ID 15	LOST	
	Pool		EORGIA		EI	NGLAN	D 41	LOST	
	Pool		GEORGIA 25			OMAN	A 9	WON	
	Pool		SEORGI			GENTI		LOST	
		•							
		Т	IME OF		3				
			1 st Half	f		2 nd Ha	Total		
Trie	s scored		2			1		3	
	conceded		3			6		9	
	versions							3	
	alty Goals							9	
Dro	op Goals							0 of 3	
			DV 000		ANOED!	NO			
Dota of to		RATE OF T					Fw.:	n 42a	
Rate of try		22min 3			POOL R			n 43s n 43s	
	conceding SSION SOUR	7 min 2	.JS	KWCI	POOL R			SOURCE	
	OWN TRIES	CE OF					OF OPP T		
	1		Line	eout			5	TILO	
	<u>.</u>		Lineout Scrum				3		
	-	F	Penalty/ Free kick						
	1	-		eceipt					
	<u> </u>			over			1		
			ACTI'	VITY					
	AVERAGE	RWC AVE	RAGE -	POOL	RA	TE	RWC	RATE -	
								OOL	
Rucks	83		79		4.9 per min		4.6		
Passes	107		130			er min	7.5		
Kicks	20		19		1.2 pe	er min		1.1	
			LAVEDI	2400114					
		Р	LAYER		j	DIMO F			
0/ of page	ses made by	, forwards	169			RWCF	POOL RAT 17%	I E	
	es made by		609				46%		
	sses made by		249				37%		
70 OI pa	Joes made k	Jy Duona	24,	70			01 /0		
			SCRI	UMS					
Own S	crums	Success		%					
Opp S		Success		%					
			LINEC						
Own Li		Success		7 %					
Opp Li	neouts	Success	21	%					
			DENA	TIEC -					
	Donald's	c For	PENA	LIIES		A	2		
	Penalties For				42 51				
1	Penalties Against Total Cards received					5	ı		
-						0			



IRELAND



		М	IATCH RESULTS			
	Pool	IF	RELAND 22		USA 10	WON
	Pool	IF	RELAND 15	Αl	JSTRALIA 6	WON
	Pool	IF	RELAND 62	F	RUSSIA 12	WON
	Pool	IF	RELAND 36		ITALY 6	WON
Qua	rter final	IF	RELAND 10	1	WALES 22	LOST
		-	IME OF SCORES			
			1 st Half		2 nd Half	Total
Trie	s scored		6		10	16
	conceded		1		5	6
	versions					81%
Pena	alty Goals					60%
	p Goals					1 of 2
	SION SOUR	CE OF			POSSESSION	
	OWN TRIES	ı	Lineaut		OF OPP 1	RIES
	6		Lineout		2	
	2		Scrum		2	
	2	F	Penalty/ Free kick	(
	5 1		Kick receipt Turnover		2	
	ı		Turnover		Z	
			ACTIVITY			
	AVERAGE	RWC	AVERAGE			
Rucks	98		81			
Passes	152		131			
Kicks	20		20			
		Pl	LAYER PASSING		DWO BATE	
0/ 06 0000		f	%		RWC RATE	
	ses made by		15		17%	
	es made by s sses made by		47 38		47% 36%	
% OI pas	sses made by	Dacks	36		30%	
			SCRUMS			
Own S	crums	Success	88%			
Opp So	crums	Success	23%			
			LINEOUTS			
Own Li	neouts	Success	LINEOUTS 91%			
Opp Lii		Success	21%			
3 P P 211						
	Devi - 141	Fan	PENALTIES		60	
	Penalties				60	
_	Penalties A				50	
	Total Cards A	waraea			0	







				7							
			М	ATCH R	ESULTS						
	Pool			TALY 6			USTRA	LIA	LOST		
	Pool			ITALY 5			RUSSIA		WON		
	Pool			ITALY 2		USA 10			WON		
	Pool			ITALY 6		IRELAND 36			LOST		
			TI		SCORES	;					
				1 st Half					Total		
Trie	s scored			9			4		13		
Tries	conceded			2			9		11		
Con	versions								6		
Pena	alty Goals								5		
Dro	p Goals								0 of 0		
					RING/CC						
Rate of try	Rate of try scoring 4min 5					C POOL		5mir	1 43s		
						ATE					
Rate of try	Rate of try conceding 6min			:5	RWO	C POOL		5mir	1 43s		
					R	ATE					
	SSION SOUR	CE O	F						SOURCE		
(OWN TRIES						(OF OPP T	RIES		
5				Lineout			6				
5				Scrum				1			
	P		Free kic	k							
	1				eceipt			3			
	2			Turn	over			1			
				ACTI							
	AVERAGE	RV	VC AVE	RAGE -	POOL		TE	RWC RATE -POOL			
Rucks	64			79		4.0per mi			4.6		
Passes	101			130		6.3 per min		7.5			
Kicks	18			19		1.1 pe	er min		1.1		
			DI	AVED	PASSING						
			r.	W %			RWC P	OOL RAT	F -		
% of pass	ses made by	forw	ards	25%				17%	_		
	es made by			43%				46%			
•	sses made b			32%				37%			
70 O1 pa	ooco maac k	y buc)KO	OZ /				01 70			
				SCRI	JMS						
Own S	crums	Suc	cess		%						
Opp So	crums	Suc	cess	16	5%						
Our !:	nooute	6	20000	LINEC							
Own Lineouts Success Opp Lineouts Success					3%						
Opp Lii	18	3%									
				DENIA	TIEC						
	D 141			PENAL	LIIES						
	Penalties						65				
	Penalties Against Total Cards received				l		37				
									-		



JAPAN



				4 1					
			МА	TCH R	ESULT	S			
	Pool			APAN 2			RANCE	47	LOST
	Pool			APAN			ZEALA		LOST
	Pool			APAN '			TONGA	LOST	
	Pool		1	APAN 2	1 23 CANADA 23				DRAW
			, ,,						
			TIN	IE OF	SCORE:	s			
				1 st Half	alf 2 nd Half				Total
Trie	s scored			5			3		8
Tries	conceded			12			13		25
Cor	versions								4
Pena	alty Goals								7
Dro	p Goals								0 of 1
		RAT	E OF TR'	Y SCO			NG		
Rate of tr	y scoring		8min 57s	3		POOL		5min	43s
						ATE			
Rate of try	conceding		2min 35s	3	RWC	POOL		5min	43s
					R	ATE			
	SSION SOUR	CE O	F						SOURCE
(OWN TRIES						(OF OPP 1	TRIES
	3 2				eout			5	
			um	_		7			
					Free kic	k		1_	
	1				eceipt			6	
	2			Turn	over			6	
				ACTI	VITV				
	AVERAGE	DΙ			ACTIVITY GE - POOL RATE RWC RATE				
	AVERAGE	KV	VC AVER	AGE -	POOL RATE RV				POOL
Rucks	87		-	79	4 8 n		er min		4.6
Passes	149			30			er min		7.5
Kicks	13			<u> </u>		0.7 pc			1.1
Nicks	13			19		0.1 pt	21 1111111		1.1
			PL.	YER I	PASSING	G			
				9			RWC PO	OOL RAT	E -
% of pas	ses made b	v forw	vards	15				17%	_
	ses made by			51				46%	
	asses made			34				37%	
, s c. pc		,						. , ,	
				SCRI	JMS				
Own S	crums	Su	ccess		9%				
Opp Se			ccess		I%				
				LINEC	DUTS				
Own Li	neouts	Su	ccess		5%				
Opp Li	neouts	Su	ccess	2	1%				
				PENAL	LTIES				
	Penalties	s For					48		
	Penalties Against						46		
	Total Cards received						1		



NAMIBIA



			MA	TCH R	ESULTS	5					
	Pool		NA	MIBIA	25		FIJI 49)	LOST		
	Pool		NA	MIBIA	12		AOMA	49	LOST		
	Pool		N/	AMIBIA	\ 0	SOU	TH AFR	LOST			
	Pool		N/	NAMIBIA 7			NALES	81	LOST		
			T18	IE OE	COORE						
			I IIV	1 st Half	SCORES	f	Total				
Trie	s scored			0			2 nd Hal 5	•	5		
	conceded			14			22		36		
	versions								2		
	alty Goals								2		
	p Goals								3 of 3		
			E OF TR				NG				
Rate of try	y scoring	1	0min 54	S		POOL		5min	43s		
						ATE					
Rate of try	conceding		2min 06s	3		POOL		5min	43s		
B000E6	POSSESSION SOURCE OF					ATE	D	2500101			
	SSION SOUR DWN TRIES	CE O						SESSION OF OPP 1	SOURCE		
	2			Line	eout			10	RIES		
			um	5							
	Do		Free kic	l _r		5					
	1	ГС		eceipt	<u> </u>		8				
	2				over			<u> </u>			
	2			Turri	ovei			0			
				ACTI	VITY						
	AVERAGE	RV	VC AVER	RAGE -				RWC RATE - POOL			
Rucks	56		-	79		4.1 pc	er min	4.6			
Passes	99		1	30		7.3 pe			7.5		
Kicks	20			19		1.5pe			1.1		
			PLA	AYER I	PASSING	j	RWC P	OOL RAT	TF		
% of pas	ses made by	v forw	ards	10				17%			
	ses made by			46				46%			
	sses made			44				37%			
				CCDI	IMC						
Our S	orume	S	20000	SCRI							
Own So			ccess		6% 5%						
Opp St	Juliio	Suc	ccess		/0						
	LINEOUTS										
Own Li		ccess	1%								
Opp Liı	neouts	ccess	1	8%							
				DENLA	TIEC						
	Den alti-	. Г		PENAL	LITES		0.4				
	Penalties		.4		34 51						
	Penalties Against Total Cards received										
	i otai Cards I	receiv	ea			2					



NEW ZEALAND



	М	ATCH RE	SULT:	s			
Pool		ZEALAN			TONGA 10	WON	
Pool		ZEALAN			JAPAN 7	WON	
Pool		ZEALAN		F	RANCE 17	WON	
Pool		ZEALAN		_	ANADA 15	WON	
Quarter final		ZEALAN			GENTINA 10	WON	
Semi final		ZEALAN		_	JSTRALIA 6	WON	
Final		ZEALA		_	FRANCE 7	WON	
	T	ME OF S	CORE	S	- nd		
		1 st Half			2 nd Half	Total	
Tries scored		21			19	40	
Tries conceded		2			6	8	
Conversions						63%	
Penalty Goals						68%	
Drop Goals						2 of 3	
POSSESSION SOURCE OWN TRIES	OF				POSSESSION OF OPP 1		
15		Line	out				
10		Scru	ım		3		
2	Р	enalty/ F	ree kid	k	1		
7		Kick re	ceipt		1		
6		Turno	over		3		
		ACTIV	ITY				
				NC			
			AVE	RAGE			
	Rucks			31			
	Passe			31			
	Kicks	22	2	20			
	PI	AYER P	ASSIN	G			
		%	ACCIII		RWC RATE		
% of passes made by for	wards	18%			17%		
% of passes made by scri		40%			47%		
% of passes made by b		42%			36%		
		SCRU					
	uccess	989					
Opp Scrums S	uccess	209	%				
		LINEO	IITC _				
Own Lineouts S	uccess	92°					
	uccess	189					
Opp Lineouts 5	ucce33	107	/0				
		PENAL	TIFS.				
Penalties Fo	or		67				
Penalties Aga					60		
Total Cards Awa					 1		
i Stai Gaius Awa	ai ucu				•		



ROMANIA



				PROI	MANIÁ				
				MATCH R	ESULTS	5			
	Pool			ROMANIA			OTLAN	D 34	LOST
	Pool			ROMANIA			GENTIN		LOST
	Pool		ROMANIA 3				NGLANI		LOST
	Pool			ROMANIA 9			EORGIA		LOST
	1 001		ROMANIA 9				LOROIA	1 25	2001
				TIME OF		6			
				1 st Half		2 nd Hal	f	Total	
Trie	es scored			2			1		3
Tries	conceded	11			10		21		
Cor	nversions								1
Pen	Penalty Goals								9
Dre	op Goals								0 of 1
				TRY SCO			NG		
Rate of tr	y scoring	1	17min	55s		POOL		5min	43s
						ATE			
Rate of try	conceding	;	3min	39s		POOL		5min	43s
			_		R/	ATE			
	SSION SOUR OWN TRIES	CE O	F					SESSION OF OPP T	SOURCE
\	OWN TRIES		Line	eout			9	RIES	
	1	Scrum			2				
			Penalty/		k		3		
	1				eceipt	<u> </u>		4	
	•				over			3	
				ACTI	VITY				
	AVERAGE	RV	VC AV	/ERAGE -				RWC	RATE -
							P		POOL
Rucks	58			79			per min		4.6
Passes	75			130	5.5		5.5per min		7.5
Kicks	16			19		1.2 pe	r min		1.1
				PLAYER F	PASSING	3	DW(O D	001.04	
0/ 24	oo mada bii f		u al a	%	,			OOL RAT	E
	es made by f			28%				17% 460/	
	es made by so sses made by			46% 26%		46%			
76 OF pas	oses made by	Dack	19	20%	0			37%	
				SCRI	JMS				
Own S	crums	Succ	cess	919					
Opp S	crums	Succ		139					
O		C		LINEC					
	neouts	Succ		689					
Opp Li	neouts	Succ	ess	109	7 0				
				PENAI	LTIES				
	Penalties	For					43		
	Penalties Against						53		
,	Total Cards A		1						
<u> </u>					1		-		



RUSSIA



				nu:	SSId				
			ı	MATCH R	ESULTS	s			
	Pool			RUSSIA			USA 1	3	LOST
	Pool			RUSSIA			ITALY !		LOST
	Pool			RUSSIA			RELAND		LOST
	Pool			RUSSIA			STRAL	LOST	
	POOI			RUSSIA 22			SINAL	IA 00	LUST
				TIME OF	SCORES	5			
				1 st Half	f		2 nd Ha	Total	
Trie	s scored			2			6		8
Tries	conceded			19			10		29
Con	versions								4
Pena	alty Goals								2
	p Goals								1 of 1
	·								
		RATE	E OF	TRY SCO	RING/C	ONCEDI	NG		
Rate of try	v scorina		7min			C POOL		5mir	า 43s
Trace or an	,	-		0		RATE	-	011111	00
Rate of try	conceding		2min :	36s		C POOL		5mir	n 43s
ridio or iry	oonoounig	•		000		RATE		011111	1 400
POSSES	SSION SOUR	=			WIL	POS	SESSION	SOURCE	
	OWN TRIES	CL OI						OF OPP	
`	3			Line	eout		`	11	IKILO
	<u> </u>								
	1	Scrum Panalty/ Frankisk					5 3		
			Penalty/ Free kick Kick receipt				3		
	1		Turnover					7	
	3			Turn	over			3	
				ACTI	VITY				
	AVERAGE	RW	/C AV	'ERAGE -	POOL	RA	TE		C RATE -
						4.6 per min		POOL	
Rucks	69			79					4.6
Passes	92			130		6.2 pe	7.5		
Kicks	18			19		1.2 pe	er min		1.1
			F	PLAYER I	PASSING	3			
				%			RWC F	OOL RA	TE
% of pass	es made by	forwar	rds	13%	'n			17%	
% of nasse	s made by s	crum	half	57%				46%	
	ses made by			30%				37%	
70 O1 pas	ises made b	y buok	.5	·				01 70	
				SCRI					
Own S		Succ		849					
Opp So	crums	Succ	ess	169	%				
				LINEC	DUTS				
Own Li	neouts	Succ	ess	619					
Opp Lii		Succ		15					
Эрр Еп		Juco							
				PENA	LTIES				
	Penalties						39		
	Penalties Against						42		
	Total Cards received						1		
Total Calus received									



SAMOA



				TO R	UGBY USE						
				MATCH R	FSULTS	;					
	Pool			SAMOA			IAMIBIA	12	WON		
	Pool			SAMOA			WALES		LOST		
	Pool			SAMOA		FIJI 7			WON		
	Pool					COLL	TH AFR		LOST		
	P001			SAMOA 5			ІП АГК	CA IS	LUST		
				TIME OF	SCORES	5					
				1 st Half		2 nd Hal	Total				
Trie	s scored			4			6		10		
Tries	conceded			1			4		5		
Con	Conversions								7		
Pena	alty Goals								8		
	p Goals								1 of 2		
	p c c cc										
		RATE	E OF	TRY SCO	RING/C	DNCEDI	NG				
Rate of try	scoring		7min			C POOL		5mir	1 43s		
		-				RATE					
Rate of try	conceding	1	3min	14s		C POOL		5mir	1 43s		
11000 01 11 9	oonoouing	-	•			RATE		0	00		
POSSES	SION SOUR	CF O	F			V (L	POSS	SESSION	SOURCE		
	OWN TRIES	OL 0.	•					OF OPP 1			
	2	Lineout					3				
	3	Scrum									
	1		Penalty/	Free kic	k						
	2			eceipt			1				
	2				over			1			
	_										
				ACTI							
	AVERAGE	RW	/C AV	'ERAGE -	POOL				RATE -		
									POOL		
Rucks	97			79			4.9 per min		4.6		
Passes	166			130		8.3per min			7.5		
Kicks	19			19		0.9 pe	er min		1.1		
			F	PLAYER F	PASSING	3					
				%			RWC P	OOL RA	ГΕ		
% of pass	es made by	forwa	rds	18%	,			17%			
	s made by s			65%				46%			
	ses made by			37%				37%			
0	O.W. LING	Cura		SCRI							
Own S		Succ		979							
Opp So	crums	Succ	ess	279	/0						
	LINEOUTS										
Own Li	neouts	Succ	ess	799							
Opp Lii	259										
3 P P =		Succ			-						
				PENAL	TIES						
	Penalties						51				
	Penalties Against					44					
	Total Cards received										



SCOTLAND



				SCC RUGB	TTTISH Y UNION						
				MATCH R	ESULTS	;					
	Pool			COTLAN			OMANI	A 24	WON		
	Pool			COTLAN		GEORGIA 6			WON		
	Pool		SCOTLAND 12				GENTIN		LOST		
	Pool			SCOTLAND 12			NGLAN		LOST		
				TIME OF	SCORES						
				1 st Half			2 nd Ha	lf	Total		
	s scored			2			2		4		
	Tries conceded						3		4		
	versions								1		
	Penalty Goals								13		
Dro	p Goals							4 of 7			
		РΛΤ	E OE :	TRY SCO	PING/CC	NICEDI	NG				
Rate of try	scoring		E OF 18min			C POOL		5min	43s		
ivare or ir	, scoring			-103		ATE		JIIII	1 403		
Rate of try	conceding		16min	03s		POOL		5mir	43s		
itate of try	conocanig		. •	003		ATE	-	Onn	1 400		
POSSES	SION SOUF	CE O	F				POS	SESSION	SOURCE		
	OWN TRIES							OF OPP 1			
			Line	out			2				
1				Scr	um			1			
			Penalty/	Free kicl	k						
	2			Kick r	eceipt			1			
	1			Turn	over						
				ACTI	VITV						
	AVERAGE	. DI	۸/C ۸\	/ERAGE -		DΛ	TE		4.6		
Rucks	88		VC AV	79	POOL RATE 4.7 per min				7.5		
Passes	147			130		79per min		1.1			
Kicks	24			19		1.3 per min 1.1					
RIORS	2-7			10		1.0 pc	, IIIIII				
				PLAYER F	PASSING	;					
				%			RWC F	POOL RAT	ΓΕ		
	es made by			13%				17%			
	s made by s			46%				46%			
% of pas	ses made b	y bac	ks	40%				37%			
				SCRI	IMS						
Own Se	crums	Suc	cess	84°							
Opp So			cess	249							
Эрр ос	J. 41115	Suc		27	,,,						
				LINEC							
Own Lii		cess	889								
Opp Lir	neouts	cess	229	%							
				PENAI	TIES						
	Ponaltio	s For		PENAL	THES		49				
	Penalties For Penalties Against										
-	Total Cards			43							
	i olai Gai us	I CCCI	v c u		<u> </u>			·			



SOUTH AFRICA



			SA RUGBY.				
	MATCH RESULTS						
	Pool		TH AFRICA 17		WALES 16	3	WON
	Pool		TH AFRICA 49		FIJI 3	,	WON
	Pool		TH AFRICA 87		NAMIBIA ()	WON
	Pool		TH AFRICA 13				WON
Qua	rter final		TH AFRICA 9		JSTRALIA		LOST
		TI	ME OF SCORE	S			
			1 st Half		2 nd Half		Total
Trie	s scored		8		13		21
Tries	conceded		1		2		3
	versions						95%
	alty Goals						56%
	p Goals						1 of 5
	SSION SOUR	CE OF					SOURCE
(OWN TRIES				OF	OPP T	RIES
	9		Lineout			1	
	1		Scrum			1	
	3	P	enalty/ Free ki	<u>ck</u>			
	3		Kick receipt				
	5 Turn					1	
			ACTIVITY				
	AVEDACE	DWC	ACTIVITY AVERAGE				
Rucks	AVERAGE	RWC	81				
Passes	93 172		131				
Kicks	26		20				
Kicks	20		20				
		Pl	AYER PASSIN	IG			
			%		RWC	RATE	
% of pass	ses made by	forwards	23		17	7%	
	es made by s		47		47%		
% of pa	sses made by	/ backs	30		36%		
			SCRUMS				
Own S		Success		100%			
Opp So	crums	Success	17%				
			LINEQUE				
Our I :	nooute	Sugges	LINEOUTS 769/				
			76% 23%				
Орр Еп	Opp Lineouts Success 23%						
			PENALTIES				
	Penalties	For	FENALIIES		49		
	Penalties A				38		
-	Total Cards A				<u>1</u>		
i Otai Gai us Awai ucu					•		



TONGA



			м	ATCH R	ESULT	s			
	Pool			ONGA '			ZEALA	ND 41	LOST
	Pool			TONGA 2			ANADA		LOST
	Pool			TONGA31			JAPAN 18		WON
	Pool			TONGA		FRANCE 14		WON	
Pool			UNGA	19		KANCE	14	WON	
			TI	ME OF	SCORE	s			
				1 st Half	•		2 nd Hal	f	Total
Trie	s scored			4			3		7
Tries	conceded			7			6		13
Con	versions								6
Pena	alty Goals								11
	p Goals								0 of 1
		RAT	E OF T	RY SCO	RING/C	ONCED	NG		
Rate of try	y scoring		9min 3′	1s	RWC	POOL		5min	43s
]					R	ATE			
Rate of try	conceding		5min 16	6s	RWC	POOL		5min	43s
1	J				R	ATE			
POSSES	SSION SOUR	CE O	F				POS	SESSION	SOURCE
	OWN TRIES		-					OF OPP 1	
	2		Lineout				3		
2			Scrum				6		
			P	Penalty/ Free kick		k			
2		Kick receipt				1			
2			Turnover			3			
				ACTI					
	AVERAGE	RV	VC AVE	RAGE -	POOL	RA	TE		C RATE - POOL
Rucks	82			79		4 0 pc	r min	Г	4.6
Passes				130		4.9 per min 6.0per min			
	101					1.0per min		7.5	
Kicks	17			19		1.0 pe	r min		1.1
			PL	_AYER F	PASSIN	G			
				%			RWC P	OOL RA	ГЕ
% of pass	ses made by	forw	ards	20%	6	17%			
	es made by			52%	%	46%			
% of pa	sses made b	y bac			37%				
				SCRI	IMS				
Own S	crums	Suc	cess	88				_	
	Own Scrums Success Opp Scrums Success			%					
Орр З	o. ama	Jul			/0				
LINEOUTS									
Own Lineouts Success			cess		%				
				2%					
2 P P -									
				PENAL	TIES				
	Penalties	s For					50		
	Penalties A	\gain:	st				44		
-	Total Cards						3		
i Olai Cai us Awai utu									





				HU	ועוע				
			М	ATCH R	ESULT	S			
	Pool			USA 10			RELAND	22	LOST
	Pool			USA 13			RUSSIA		WON
	Pool		USA 5			STRAL		LOST	
	Pool			USA 10		1	ITALY 2		LOST
	1 001			USA IC	,		IIALIZ	- /	L031
			TI	ME OF	SCORE	s			
				1 st Half			2 nd Hal	f	Total
Trie	s scored			3			1		4
Tries	conceded			8			10		18
Cor	versions								3
Pena	alty Goals								4
Dro	p Goals								0 of 1
				RY SCO			NG		
Rate of tr	y scoring	·	17min 3	66s		WC		5min	43s
						LRATE			
Rate of try	conceding		3min 37	7s		WC		5min	43s
					POO	LRATE			
	SSION SOUF		F				POS		SOURCE
(OWN TRIES							OF	
								OPP TR	IES
	2		Lineout				6		
1			Scrum				5		
			Penalty/ Free kick			k			
			Kick receipt				3		
1		Turnover			2				
				ACTI					
	AVERAGE	E RV	VC AVE	RAGE -	POOL	RA	TE		RATE -
								F	POOL
Rucks	88			79		5.0 per min		4.6	
Passes	130			130				7.5	
Kicks	21			19		1.2 pe	er min		1.1
			DI	_AYER F	DA CCINI	•			
			FL	ATER I		9			TE
% of page	ses made by	, forw	arde	129		RWC POOL RATE 17%			_
	es made by			45%				46%	
	es made by sses made l			43%		37%			
/6 OI pa	JOGO IIIAUE I	y Dat	ono	437	70			J1 /0	
				SCRI	JMS				
Own S	crums	Suc	cess		3%				
Opp S			cess		// 0				
		300							
LINEOUTS									
Own Li	neouts	Suc	cess		%				
Opp Li			cess		3%				
2 2 2 2 2 2 2 2 2 2		2 3.7							
				PENAI	LTIES				
	Penaltie	s For					32		
	Penalties A		st				58		
	Total Cards						2		
Total Calus Awalueu									



WALES





THE FOLLOWING SECTION COMPARES

THE SHAPE OF THE GAME AS REFLECTED IN RWC 1995 WITH THE SHAPE OF THE GAME AS REFLECTED IN RWC 2011

INTRODUCTION

RWC 1995 was the last World Cup played in the amateur era. Over the 16 years since then, rugby has become fully professional at Tier 1 level and almost all players at Tiers 2 and 3 are also playing professionally.

It has already been recognised that one of the results of professionalism is that the shape of rugby has changed in the intervening 16 years. The purpose of this brief narrative is to identify the areas of change – (and any areas where there has been no change) – as reflected in RWC 1995 and RWC 2011

The report also makes reference to RWC 2007. This has been done in order to show that the major changes that have occurred with the onset of professionalism were established some time ago and that the current shape of the game is now relatively stable.

SUMMARY

The table below summarises the results of the exercise. It reflects the core elements of the game - in numerical form - as shown in RWC 1995, RWC 2011and RWC 2007

	RWC 1995	RWC 2011	CHANGE	RWC 2007
BALL IN PLAY	33%	44%	Up 33%	44%
PASSES	179	263	Up 47%	224
RUCKS/MAULS	69	162	Up 135%	144
KICKS IN PLAY	75	41	Down 45%	56
SCRUMS	27	17	Down 37%	19
LINEOUTS	37	24	Down 35%	31
POINTS – pool stage average	56	51	Down 9%	56
PENALTIES	25	21	Down 16%	19

The above summary shows how the emphasis of the game has changed over the last decade or so. There is now much more activity as reflected through a huge increase in ball in play time. This has brought with it a major increase in the number of passes per game and a monumental increase in the number of rucks and mauls. This could be because retention of possession is considered to be a major priority in the game which, in turn, could explain why kicks in play have become a lot less frequent.

The corollary of all this has been a noticeable reduction in set pieces. Scrum and lineouts are far fewer and, together with far fewer penalties and free kicks, means the game has many less stoppages. The current shape of the game is considerably more dynamic – and it has been so for some time. RWC 2011 is little different from RWC 2007.

The following paragraphs expand on the Summary given on the previous page.

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BALL IN PLAY

BALL IN PLAY Highest in a game Lowest in a game

RWC 1995	RWC 2011	CHANGE	RWC 2007
33%	44%	Up 33%	44%
40%	54%		57%
27%	37%		35%

The above table shows that the highest ball in play figure seen in RWC 1995 was 40%. This figure has been exceeded in 42 of the 48 games played in RWC 2011.

One further illustration of the change between 1995 and 2011 comes from an examination of extremes. The highest ball in play time in 2007 (43mins54secs) was twice that achieved in one of the games played in 1995 (21mins36secs)

PASSES

PASSES
Highest in a game
Lowest in a game

RWC 1995	RWC 2011	CHANGE	RWC 2007
179	263	Up 47%	224
254	394		307
90	182		143

Higher ball in play leads to higher activity – more passes, rucks and mauls.

RUCKS/MAULS

RUCKS/MAULS Highest in a game Lowest in a game

RWC 1995	RWC 2011	CHANGE	RWC 2007
69	162	Up 135%	144
97	225		205
47	130		88

Rucks and mauls have shown the biggest quantum change over the last 12 years. In RWC 2011, every game has exceeded the maximum achieved in any game in RWC 1995.

KICKS

KICKS
Highest in a game
Lowest in a game

RWC 1995	RWC 2011	CHANGE	RWC 2007
75	41	Down 45%	52
100+	68		
60+	24		

Note: the 1995 figures have been obtained from an independent source and a notional adjustment has had to be made because of the protocol used in recording kicks.

Kicks are also an area where there has been a noticeable change – in this case a reduction. A qualitative observation suggests that this could be a consequence of a greater willingness of backs to take intentional contact with the opposition in the modern game. In the past, where a tackle looked to be inevitable, the reaction was often a kick, either in field or to touch, which in turn could also explain the why there used to be a greater number of lineouts.

SCRUMS

SCRUMS Highest in a game Lowest in a game

RWC 1995	RWC 2011	CHANGE	RWC 2007
27	17	Down 37%	18
40	23		35
15	6		12

There continues to be a gradual reduction in the number of scrums seen in the modern game. It is not infrequent, for example, to have a period of 20 minutes or so without a single scrum. In RWC 2011, almost all matches had fewer than 20 scrums – in RWC 1995, there were just two.

LINEOUTS

LINEOUTS
Highest in a game
Lowest in a game

RWC 1995	RWC 2011	CHANGE	RWC 2007
37	24	Down 35%	31
52	33		45
23	14		21

Lineouts have also declined in number in the same way as scrums. Extremes have also narrowed. In RWC 1995, the difference between the highest and lowest was 29 - in 2011 this difference was only 19

PENALTIES/FREE KICKS

PENALTIES

Highest in a game Lowest in a game

RWC 1995	RWC 2011	CHANGE	RWC 2007
25	21	Down 16%	19
39	29		28
13	10		11

Penalties and free kicks have also declined since 1995. This has been a general movement over recent years but in the case of RWC there could be another contributory factor.

In 1995, the panel of referees comprised individuals from Tier 1, 2 and 3 countries. Some were inexperienced at the highest levels and research showed that, as a group, they awarded far more penalties than Tier 1 referees. The current system – being totally merit-based – appears to have reduced the number of penalties and free kicks being awarded and brought all matches much closer to the mean. The difference in 1995 between the highest and lowest penalised games was 26 – in 2011, this had been reduced to 19.

SECTION 4 - THE SHAPE OF THE GAME

POINTS

This is the one area where there has been little change. At the pool stage in the 1995 tournament the average points scored was 56. In the 2011 tournament, the average number of points scored was 51.

At the knockout stage there was a difference however. In RWC 1995, the average was 49 points per game – in RWC 2011, it was 28.